



Atlantic Richfield Company
(a BP affiliated company)

P.O. Box 6549
Moraga, California 94570
Phone: (925) 299-8891
Fax: (925) 299-8872

December 15, 2005

Re: ARCO Service Station # 2114
4995 Almaden Expressway
San Jose, CA
Well Destruction Report

"I declare, that to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Submitted by:

Paul Supple
Environmental Business Manager



December 15, 2005

Mr. Mamerto Jorvina
Santa Clara County Department of Environmental Health
1555 Berger Drive, Suite 300
San Jose, CA 95112-2716

Re: Well Destruction Report
ARCO Service Station #2114
4995 Almaden Expressway
San Jose, California
SCVWD ID No.: 08S1E04N01f

Dear Mr. Jorvina:

At the request of Remediation Management (RM - a BP affiliated company), URS Corporation (URS) has prepared this *Well Destruction Report* for the ARCO Service Station #2114 located at 4995 Almaden Expressway in San Jose, California. The scope of work consisted of destroying the remaining three on-Site groundwater monitoring wells (MW-6 through MW-8) for RM. Currently, no groundwater monitoring wells associated with the Site remain on-Site. One leak detection monitoring probe (LDMP) was not destroyed and remains on-Site. The well locations are shown on Figure 1.

SITE DESCRIPTION

The Site is located at the northwest corner of the intersection of Almaden Expressway and Cherry Avenue in San Jose, California. The Site is an active retail service station with a station building, two fuel dispenser islands, and three double-wall gasoline USTs. The Santa Clara County Department of Environmental Health (CSCDEH) approved case closure for the Site on October 4, 2004.

Well Destruction Activities

URS personnel supervised a California licensed-driller destroy groundwater monitoring wells MW-6 through MW-8 by pressure grouting the well casings. Well destruction activity details are presented below.

Personnel Present: URS Geologists, John McCain (California Professional Geologist No. 8020) and Kirk Martin.

Permits: Santa Clara Valley Water District (SCVWD) Permit # 05D00581 (MW-6), 05D00582 (MW-7), and 05D00583 (MW-8).

Drilling Company: Gregg Drilling of Martinez, California (C-57 License # 485165).

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893.3600
Fax: 510.874.3268

Date of Destruction: October 6, 2005.

Number of Wells: Three monitoring wells (MW-6, MW-7, MW-8).

Destruction Method: Wells were pressure grouted using a neat cement mixture according to SCVWD well destruction guidelines.

Destruction Notes: Three wells were pressure grouted from the bottom to the ground surface using a Tremie pipe applying 25 pound per square inch of pressure for five minutes each. Copies of the Department of Water Resources (DWR) well completion reports are included in Attachment B.

Soil and Water Handling: There were no soil cuttings or rinsate water produced during the destruction activities.

We appreciate the opportunity to present this *Well Destruction Report* to the CSCDEH on behalf of RM and trust that this document meets with your approval. Please do not hesitate to contact us at (510) 893-3600 with any questions or comments.

Sincerely,

URS CORPORATION



John McCain, P.G.
Project Manager

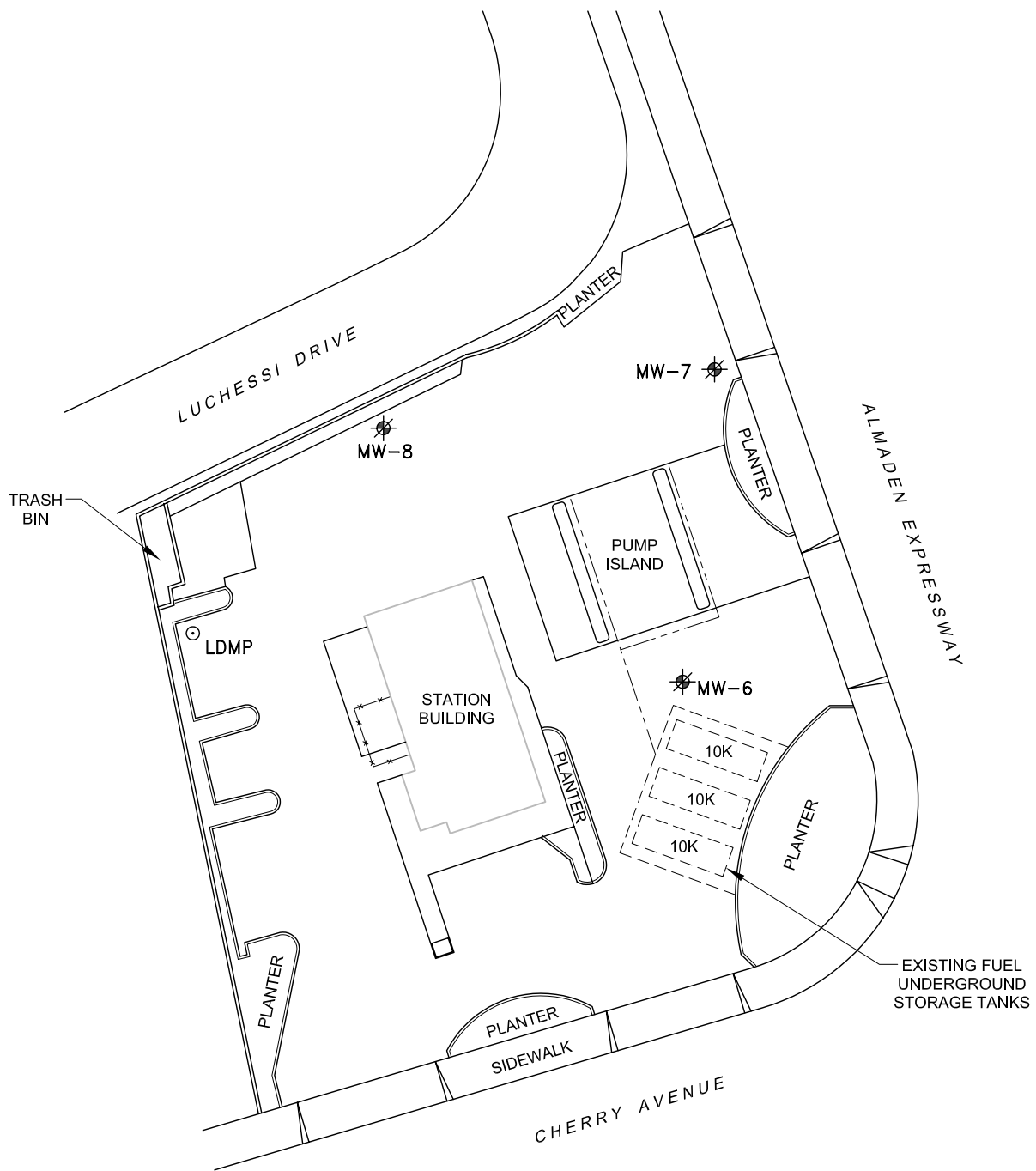


Attachments:




Figure 1	Site Map
Table 1	Well Construction and Destruction Details
Attachment A	SCVWD Well Destruction Permits
Attachment B	DWR Well Completion Reports (original copy submitted to SCVWD Wells Division)

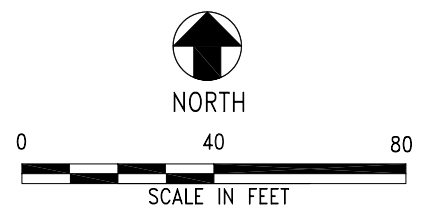
cc: Mr. Paul Supple, RM (electronic copy uploaded to ENFOS)

Dec 22, 2005 - 9:22am
X:\x_env\waste\BP_GEM\Sites\Lynelle Onishi - SCFWD ARCO Sites\Paul Supple\2114 - closed\Reports Monitoring Qtr. 3, 2003 Drawings\GWEC-AS_12-9.dwg



LEGEND

-  LEAK DETECTION MONITORING PROBE (LDMP)
-  DESTROYED GROUNDWATER MONITORING WELL
-  PRODUCT AND RETURN VAPOR LINE



Project No. 38487377
Arco Service Station 2114
4995 Almaden Expressway
San Jose, California

SITE MAP

FIGURE
1

Summary of Well Construction and Destruction Details

Arco Station # 2114
4995 Almaden Expressway, San Jose, CA
Well Destruction Details

Well ID	Well Type	Well Diameter (inches)	Screened Interval (feet bgs)	Depth to Bottom of Boring (feet bgs)	Well Destruction Method
MW-6	Monitoring	4	17 - 31.5	32.00	Pressure Grout
MW-7	Monitoring	4	18 - 33.5	34.00	Pressure Grout
MW-8	Monitoring	4	18 - 32.5	33.00	Pressure Grout

Notes:

bgs = Below ground surface

Attachment A
SCVWD Well Destruction Permits



AUG 31 2015

WELL DESTRUCTION APPLICATION

FC 198w (12-16-02)

Page 1 of 4

5750 ALMADEN EXPRESSWAY, SAN JOSE, CA 95118-3686

Please complete all information.

DISTRICT PERMIT NO.:

05D00581

Well Owner: Atlantic Richfield Company	Property Owner: Atlantic Richfield Company	Name of Business/Residence at Well Site: ARCO Service Station # 2114	
Well Owner's Mailing Address: P.O. Box 6549	Property Owner's Mailing Address: P.O. Box 6549	Address of Well Site: 4995 Almaden Expressway	
City, State, Zip: Moraga, CA 94570	City, State, Zip: Moraga, CA 94570	City, State, Zip: San Jose, CA	
Telephone No.: 925-299-8891	Telephone No.: 925-299-8891	Assessor's Parcel Number of Well Site: Book: 569 Page: 01 Parcel: 036	
Consultant: URS Corporation		Drilling Company: Gregg Drilling	
Address: 1333 Broadway, Suite 800		Address: 950 Howe Road	
City, State, Zip: Oakland, CA 94612		City, State, Zip: Martinez, CA 94553	
Telephone No.: 510-874-3026 Attn: John McCain		Telephone No.: 925-313-5800	C-57 License No.: 485165
<input type="checkbox"/> Check if address or phone number has changed.		<input type="checkbox"/> Check if address or phone number has changed.	

All questions below are to be completed before permit can be issued; if unknown, applicant shall make on-site investigation to determine correct answers.

Well Information

Well Registration No.: 08S01E04N008	Owner/Consultant Well No.: MW-6	Original Well Construction Permit No.: 01W00986
Well Casing Depth: 31.5'	Total Boring Depth: 32'	Well Casing Diameter: 4"

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS

CASE NAME: ARCO Service Station

Oversight Agency: Santa Clara Co. Env. Health If under S.C.V.W.D. oversight, list Case Number(s):

☐ Well on SCVWD property/easement* ☐ Well is within 50 feet of the top of a creek/river bank* (* See General Conditions, E.)

Well Description:

☒ Vertical Well ☐ Dewatering Well ☐ Elevator Shaft ☐ Multiple Casing ☐ Horizontal Wall ☐ Pit Well

Well Type: check all that apply

☐ Water Producing (supply or extraction) ☐ Contamination Cleanup ☐ Agricultural ☐ Domestic ☐ Municipal & Industrial ☐ Vapor Extraction

☒ Monitoring ☐ Inclinometer ☒ Groundwater ☐ Vadose ☐ Piezometer ☐ Interface ☐ Suction Lysimeter ☐ Seismic

☐ Injection/Infiltration ☐ Contamination Cleanup ☐ Reclaimed Water ☐ Air Sparging

☐ Cathodic Protection

Additional Questions For Water Producing Wells

Does the well have:

1. Outer conductor casing? ☐ Yes ☒ No

2. Annular cement seal outside of casing at surface? ☐ Yes ☒ No

3. A S.C.V.W.D. water meter attached? ☐ Yes ☒ No

Type of Original Drilling Method:

☐ Rotary ☐ Cable-Tool ☐ Hand Dug Pit Well ☒ Hollow Stem Auger ☐ Other:

IMPORTANT

A minimum 24-hour notice must be given to SCVWD prior to installing the annular seal.
Call (408) 265-2607 Ext. 2660. For weekends, holidays, after hours call (408) 265-2607, Ext. 2120.
Please allow 10 working days to process permit application.



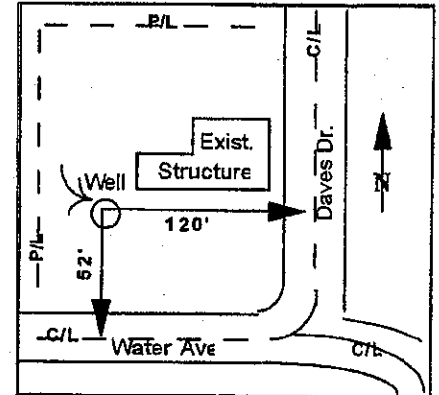
Site Plan

WELL LOCATION

(Draw accurately; recommend using assessor's map)

1. Sketch well location to scale, show dimensions to nearest foot. (Do not attach separate map.)
2. Show a minimum of two dimensions at right angles. Dimensions shall be from the centerline of the closest named streets, roads, or highways.

EXAMPLE →



Sketch well location as described above:

See attached map



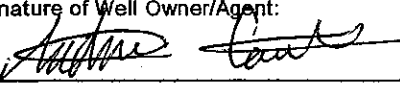

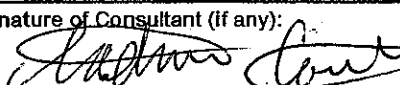
Please describe, in detail, the proposed destruction method*: _____

Well destruction via pressure grout according to SCVWD guidelines.

*Any well destruction in which the well casing is left in place and in which the well has a filter pack outside the casing, must be destroyed using approved neat cement grout.

I understand that all work is to be done in accordance with the District Well Ordinance, the District Well Standards, and the conditions of this permit (see page 4). I also certify that the information given in this permit is correct.

NOTE: All applicable signatures must be present before permit will be processed.

Signature of Well Owner/Agent: 	Print Name: Andrew Fowler / URS for Atlantic Richfield Co	Date: 8/30/05
Signature of Driller/Agent: 	Print Name: Andrew Fowler / URS for Gregg Drilling	Date: 8/30/05
Signature of Consultant (if any): 	Print Name: Andrew Fowler / URS	Date: 8/30/05

DISTRICT USE ONLY

The District has approved the following destruction methods for the well described in this permit:

☒ Pressure Grout Method (as outlined in Standards).


NOTE: Neat cement is the only sealing material approved for pressure grouting.

☒ Drill out well to a total depth of 32 feet, with a minimum bore of 10 inches.

☐ Clean out well casing to a total depth of _____ feet and back fill with approved sealing material (if total depth is unknown, driller must determine total depth during clean out of well). NOTE: Neat cement is the only sealing material approved for back filling gravel packed wells.

☐ Well casing must be perforated at the following depths prior to backfilling: _____

☐ Other: _____

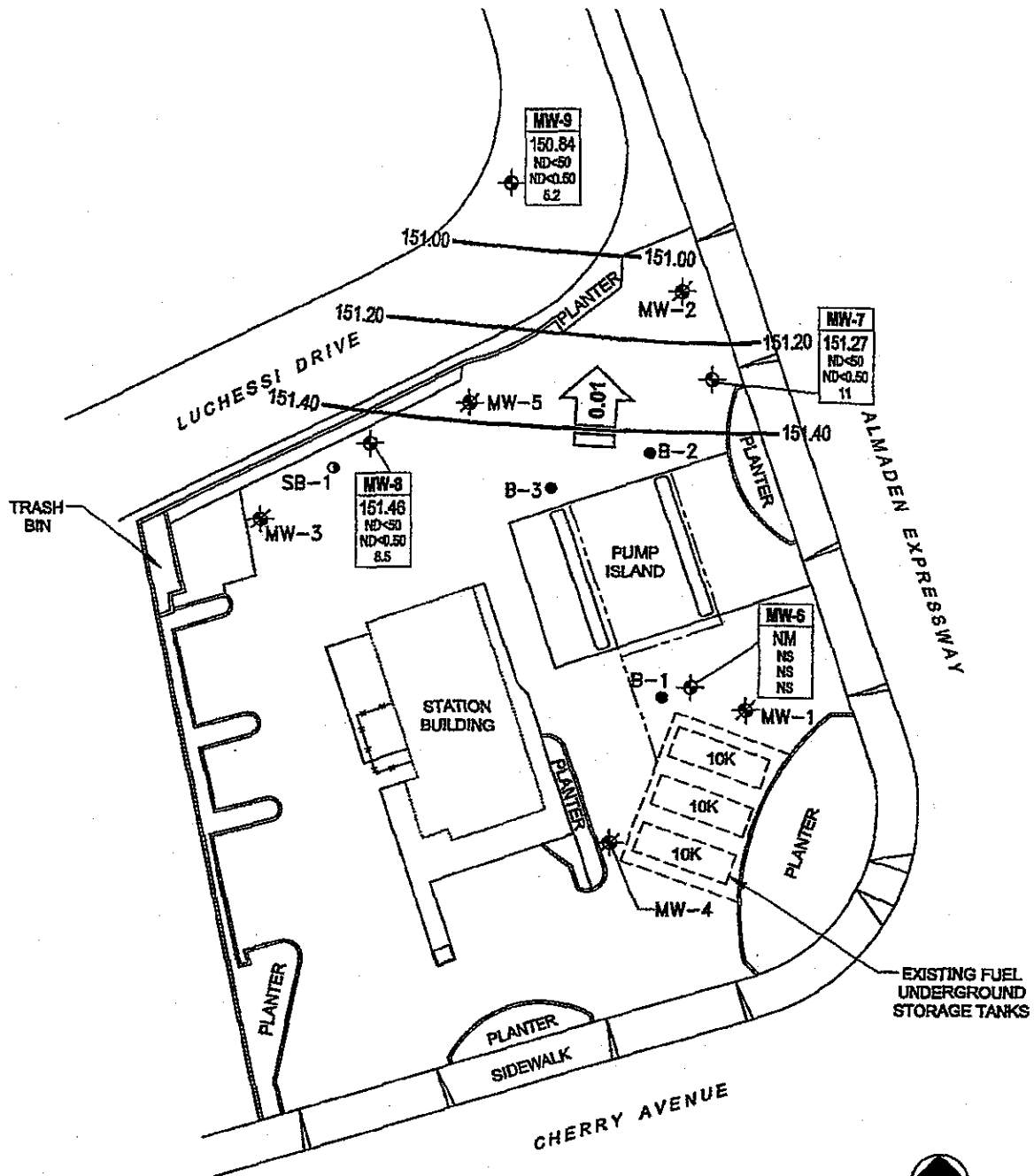
Permit Approved By: 	Date: 9-14-05
District Permit No.: 05D00581	Date Issued: 9-14-05
Expiration Date: 3-14-06	Driller's Log No.: 029749

Please allow 10 working days to process this application.

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE THE PLACEMENT OF THE WELL DESTRUCTION SEALING MATERIALS. An authorized District representative must be on site to witness the destruction activities. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification under penalty of perjury that the well was destroyed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well destruction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative believes that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains any incorrect information. If the permit is voided after work has begun, the well or boring that is being destroyed under this permit may be required to be reconstructed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream or watercourse, or on SCVWD property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone (408) 2652607, Ext. 2350, 2217, or 2253).
- F. Within 60 days of the completion of well destruction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and submit the original to the District's Wells and Water Production Unit.
- G. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting of or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- H. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- I. A current C-57 Water Well Drilling Contractors License is required for the destruction of all wells.
- J. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials generated during drilling, well destruction, well development, pump testing, or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials/waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways. Such materials/waters shall not be allowed to move off the property where the work is being completed.
- K. The driller and consultant (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with the District.
- L. This Permit shall expire if not exercised within 180 calendar days of its approval unless an extension of the permit expiration date is granted in writing by an authorized District representative.
- M. If the well approved to be destroyed under this permit is a monitoring well, associated with an investigation/cleanup overseen by a regulatory agency, the proposed well destruction must be approved by the person with regulatory authority over the investigation/cleanup.
- N. This permit shall be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

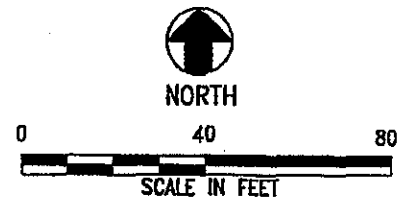
Please allow 10 working days to process this application.



LEGEND

- ABANDONED GROUNDWATER MONITORING WELL
- GROUNDWATER MONITORING WELL
- PRODUCT AND RETURN VAPOR LINE
- GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 151.00 GROUNDWATER ELEVATION CONTOUR (FT ABOVE MSL)

- | Well | WELL DESIGNATION |
|---------|---|
| ELEV | GROUNDWATER ELEVATION (FT/MSL) |
| TPH-g | CONCENTRATIONS OF TPH-g, BENZENE AND MTBE IN GROUNDWATER (µg/L) |
| Benzene | |
| MTBE | |
| * | WELL INACCESSIBLE, PAVED OVER |
| ND< | NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS |
| NM | NOT MEASURED |
| NS | NOT SAMPLED |



URS

Project No. 38486373
Arco Service Station 2114
4995 Almaden Expressway
San Jose, California

**GROUNDWATER ELEVATION CONTOUR
AND ANALYTICAL SUMMARY MAP**
Third Quarter 2003 (July 14, 2003)

FIGURE

1

SECOR

International Incorporated

Logged By: CM	Date Drilled: 8/30/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose		Method/Equipment: California Modified Split Spoon OVM 580 B		Well Number: MW-6	
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam. (in.): 10	Surface Elev. (ft.): 175.64	Groundwater Elevation (ft.): ▽ 150.74 First Water ▽152.10 Stabilized Water		Total Depth (ft.): 32.0	Drive wt. (lbs.): 140	Drop Dist. (in.): 30
Well Construction	Depth. (ft.)	Sample Type	Blows/12"	Description			PID (ppm)	SAMPLE ID
Casing Elev.: 175.37								
Locking Well Vault				Asphalt				
				Baserock/Fill				
				Very Dark Grayish Brown (10YR 3/2) SANDY SILT (ML), with clay, fine-grained sand, hard, moist, low plasticity (0, 30, 60, 10)				
				Brown (10YR 3/4) SANDY CLAY (CL), with silt, fine-grained sand, very stiff, moist, moderate plasticity (0, 30, 20, 50)			0	
Cement Grout	5						0	
4" Schedule 40 PVC Blank Casing	10		19	Dark Brown (7.5YR 3/2) SILTY SAND (SM), with gravel, fine-grained sand, medium dense, moist (15, 65, 20, 0)			0	MW-6 10'
Bentonite	15		16	Dark Grayish Brown (10YR 4/2) SANDY CLAY (CL), with silt, fine-grained sand, stiff, moist, low plasticity (0, 40, 10, 50)			0	MW-6 15'
	20			Dark Grayish Brown (10YR 4/2) SANDY GRAVEL (GM), with silt and clay, fine-grained sand, fine subangular gravel, very dense, moist (55, 20, 15, 10)			12	
#3 Monterey Sand							9	
<p>The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.</p>								

Project No. 006.03935.040

Date 8/29/01

ARCO2114.GPJ
LOG OF BOREHOLE

Log of Well





Approved by

Figure

(sheet 1 of 2)

SECOR

International Incorporated

Logged By: CM	Date Drilled: 8/30/01	Drilling Contractor: WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose		Method/Equipment: California Modified Split Spoon OVM 580 B		Well Number: MW-6	
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 10	Surface Elev.(ft.): 175.64	Groundwater Elevation (ft.): ▽ 150.74 First Water ▽152.10 Stabilized Water		Total Depth (ft.): 32.0	Drive wt.(lbs.): 140	Drop Dist.(in.): 30
Well Construction	Depth (ft.)	Sample Type	Blows/12"	Description			PID (ppm)	SAMPLE ID
 4" Schedule 40 PVC 0.020 Slotted Screen End Cap	30	 40	 40	Brown (10YR 4/3) CLAYEY SILT (ML), fine-grained sand, very stiff, moist, low plasticity (0, 20, 55, 25)			2	MW-6 25
				Grades to SANDY SILT with clay (0, 40, 50, 10)			0	
	Drilled to 32'.							
								
<p>The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.</p>								

Project No. 006.03935.040

Date 8/29/01

ARCO2114.GPJ
LOG OF BOREHOLE

Log of Well

Approved by

Figure

(sheet 2 of 2)

Santa Clara Valley Water District

WELL CONSTRUCTION/COMPLETION NOTICE

FCE 158A (08-14-98)

Inspector: Thiemann		Date of Inspection: 8/30/01	Permit: 01W00986
Owner/Consultant Well No.: MW-6		Well Registration No.: 08501E04N008	
Well Owner: Atlantic Richfield Co	Address of Well Site: 4995 Almaden Exp		City or County: ST
Drilling Company: Woodward		Consultant: SECOR mv	
Cond. Bore:	Conductor Depth:	Conductor Diameter & Material: Ø	
TD: 32	BOC: 32	Boring Diameter: 10"	Blank Casing Diameter & Material: 4" PVC
Filter Pack Material: #3	Filter Pack Interval(s): TP-15	Bent: 15-13	Screen Diameter, Material, & Size: 4" PVC 020
Sealing Material: <input checked="" type="checkbox"/> Neat Cement	<input type="checkbox"/> 10 Sack Sand Slurry	Drilling Method: <input checked="" type="checkbox"/> HSA	<input type="checkbox"/> Mud rotary <input type="checkbox"/> Other (See Comments)
<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other (See Comments)	<input type="checkbox"/> Direct Push	<input type="checkbox"/> A.: Rotary
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> GW Extraction <input type="checkbox"/> Vadose Monitoring <input type="checkbox"/> Vadose Extraction <input type="checkbox"/> Cathodic			
<input type="checkbox"/> Domestic <input type="checkbox"/> Agricultural <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Elevator <input type="checkbox"/> Other (See Comments)			
Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)			
Well Location: 105	R.N.S.: Cherry	R. E/W: 99	w/o Almaden Exp
GPS Coordinates:	Lat:	Long:	
Comments: 37 15 33.37 N	121 52 35.84 W		

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDENROD-Permittee

Santa Clara Valley Water District

5750 Almaden Expressway, San Jose, CA 95118 (408) 265-2600

WELL CONSTRUCTION APPLICATION

FC 156 (04-22-82) (DP 4-901)

TO BE COMPLETED BY DISTRICT		
Parcel No.	Permit No.	Well Registration No.
3	2120101	772346

TO BE COMPLETED BY OWNER AND DRILLER		
Property Owner: Atlantic Richfield Co.	Well Owner (if different):	Drilling Co: Woodward Drilling
Address: P.O. Box 6549	Address of Well Site: 4995 Almaden Exprwy	Driller's Contractors License Number (C-57 Req'd): 710079
City, State, Zip: Moraga, CA 94570	City, State, Zip: San Jose, CA 95118	Address: 550 River Road
Telephone No: 925-299-8891	Telephone No: 925-299-8891	City, State, Zip: Rio Vista, CA 94571
Assessor's Parcel No. of Well site: Book 569 Page 01 Parcel 036	Owner's/Consultant's Well No: MW-6	Telephone No: 787-374-4300

Estimated depth of completed well: ☒ Less than 50 ft. ☐ 50 to 300 ft. ☐ Over 300 ft.

Purpose of Well: ☐ Domestic ☐ Municipal/Industrial ☐ Agricultural ☐ *Monitoring ☐ Cathodic Protection

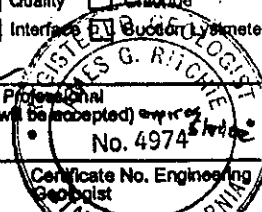
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis. This includes wells constructed for general exploration and investigation purposes as well as those to be constructed in conformance with the Hazardous Materials Storage Permit Ordinance for site-specific groundwater monitoring of existing underground hazardous materials storage tanks.

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS

Purpose of Monitoring Well: ☐ To comply with City or County Hazardous Materials Storage Permit Ordinance ☐ Exploration studies
☒ Other (specify): Subsurface Investigation ☐ Extraction/Recovery

NAME OF BUSINESS AT WELL SITE: ARC Service Station 2114

If proposed well is to meet compliance with a Hazardous Materials Storage Permit Ordinance has the City or County been contacted? ☐ Yes ☐ No

Consultant's Name (Company): <u>SECOR International Inc.</u> Address: <u>1225 Pear Ave, S-110</u> City, State, Zip: <u>Mt. View, CA 94043</u> Telephone No.: <u>650-691-0131</u>	Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride Vadose device installation: <input type="checkbox"/> Vapor <input type="checkbox"/> Interface <input type="checkbox"/> Bubbler/Lyometer Signature of Responsible Professional (No substitution of signature will be accepted) <u>James J. Patch</u> <u>RG 4974</u> Registration No. Civil Engineer / OR Certificate No. Engineering Geologist 
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TOPOGRAPHIC FEATURES

Well is to be constructed: ☐ In a public sidewalk ☐ In a public road ☐ On public property ☒ On private property ☐ On SCVWD property

Within 50 ft. of the top of a creek bank ☐ Yes ☒ No Within 50 ft. of any existing well ☐ Yes ☒ No

Within 50 ft. of a sanitary sewer ☐ Yes ☒ No Within 150 ft. of a cesspool or seepage pit ☐ Yes ☒ No

Within 100 ft. of a pit privy, septic tank, leachfield ☐ Yes ☒ No Other wells exist on this property ☐ Yes ☒ No

Status: ☐ Active ☐ Inactive ☐ Abandoned

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT:

I certify that the information given above is correct to the best of my knowledge. I certify that the well will be constructed in compliance with the conditions of this permit, the Santa Clara Valley Water District's Ordinance 90-1 and, if applicable, the Hazardous Materials Storage Permit Ordinance of the County or City, as appropriate. It is my responsibility as the well owner to notify this District of any changes in the purpose of this well from that which is indicated on this application form.

<u>James J. Patch</u> Signature of Well Owner/Agent <u>James J. Patch</u> Signature of Driller/Agent	<u>8-9-01</u> Date <u>8-9-01</u> Date
---	--



IMPORTANT: A minimum 24-hour notice must be given to SCVWD Well Inspection Dept. prior to installing the annular seal. Call (408) 927-0710 Ext. 2660. For weekends, holidays, after hours call (408) 395-8121 or (408) 927-0714.



4995 Almaden Expwy



APN: 56901036
4995 Almaden Expwy
San Jose CA
95118

Well Annotations- 9 Wells Selected

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
1	08S01E04N008	01W00986	MW-6	Other-Active	6161047	1919818
2	08S01E04N009	01W00987	MW-7	Other-Active	6161057	1919888
3	08S01E04N010	01W00988	MW-8	Other-Active	6160948	1919873
4	08S01E05R008	86W0272	A2114-B7	Other-Active	6160923	1919795
5	08S01E05R009	96D01033	MW-3	Destroyed	6160938	1919852
6	08S01E05R010	96D01034	MW-2	Destroyed	6161044	1919891
7	08S01E05R011	96D01030	MW-1	Destroyed	6161029	1919801
8	08S01E05R012	96D01032	MW-4	Destroyed	6160995	1919784
9	08S01E05R013	96D01031	MW-5	Destroyed	6160995	1919880

Wells.shp

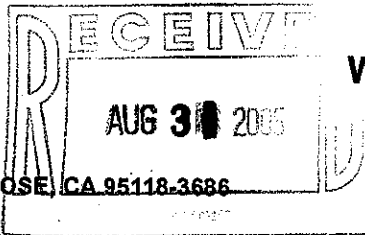
- Water Supply - Active
- Water Supply - Standby
- Water Supply - Inactive
- Extraction (Env) - Active
- Extraction (Env) - Inactive
- Other - Active
- Other - Inactive
- Abandoned
- Destroyed
- Status Undetermined

Parcels.shp

- Fuelleak.shp
- VALFLOOR.SHP
- Zone 1
- Zone 2
- Zone 3
- Zone 4
- Zone 5

Approximate Scale

40 0 40 80 Feet



WELL DESTRUCTION APPLICATION

FC 198w (12-16-02)

Page 1 of 4

5750 ALMADEN EXPRESSWAY, SAN JOSE, CA 95118-3686

Please complete all information.

DISTRICT PERMIT NO.:

05D00582

Well Owner: Atlantic Richfield Company		Property Owner: Atlantic Richfield Company		Name of Business/Residence at Well Site: ARCO Service Station # 2114	
Well Owner's Mailing Address: P.O. Box 6549		Property Owner's Mailing Address: P.O. Box 6549		Address of Well Site: 4995 Almaden Expressway	
City, State, Zip: Moraga, CA 94570		City, State, Zip: Moraga, CA 94570		City, State, Zip: San Jose, CA.	
Telephone No.: 925-299-8891		Telephone No.: 925-299-8891		Assessor's Parcel Number of Well Site: Book: 569 Page: 01 Parcel: 036	
Consultant: URS Corporation			Drilling Company: Gregg Drilling		
Address: 1333 Broadway, Suite 800			Address: 950 Howe Road		
City, State, Zip: Oakland, CA 94612			City, State, Zip: Martinez, CA 94553		
Telephone No.: 510-874-3026 Attn: John McCain			Telephone No.: 925-313-5800		C-57 License No.: 485165
<input type="checkbox"/> Check if address or phone number has changed.			<input type="checkbox"/> Check if address or phone number has changed.		

All questions below are to be completed before permit can be issued; if unknown, applicant shall make on-site investigation to determine correct answers.

Well Information

Well Registration No.: 08501E04N009	Owner/Consultant Well No.: MW-7	Original Well Construction Permit No.: 01600987
Well Casing Depth: 33.5'	Total Boring Depth: 34'	Well Casing Diameter: 4"

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS

CASE NAME: ARCO Service Station

Oversight Agency: Santa Clara Co. Env. Health If under S.C.V.W.D. oversight, list Case Number(s):

<input type="checkbox"/> Well on SCVWD property/easement*	<input type="checkbox"/> Well is within 50 feet of the top of a creek/river bank*	(* See General Conditions, E.)
Well Description:		
<input checked="" type="checkbox"/> Vertical Well	<input type="checkbox"/> Dewatering Well	<input type="checkbox"/> Elevator Shaft
<input type="checkbox"/> Multiple Casing	<input type="checkbox"/> Horizontal Well	<input type="checkbox"/> Pit Well
Well Type: check all that apply		
<input type="checkbox"/> Water Producing (supply or extraction)	<input type="checkbox"/> Contamination Cleanup	<input type="checkbox"/> Agricultural
<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal & Industrial	<input type="checkbox"/> Vapor Extraction
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Inclinator	<input checked="" type="checkbox"/> Groundwater
<input type="checkbox"/> Vadose	<input type="checkbox"/> Piezometer	<input type="checkbox"/> Interface
<input type="checkbox"/> Suction Lysimeter	<input type="checkbox"/> Seismic	
<input type="checkbox"/> Injection/Infiltration	<input type="checkbox"/> Contamination Cleanup	<input type="checkbox"/> Reclaimed Water
<input type="checkbox"/> Air Sparging		
<input type="checkbox"/> Cathodic Protection		

Additional Questions For Water Producing Wells

Does the well have:	1. Outer conductor casing?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	2. Annular cement seal outside of casing at surface?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	3. A S.C.V.W.D. water meter attached?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Type of Original Drilling Method:			
<input type="checkbox"/> Rotary	<input type="checkbox"/> Cable-Tool	<input type="checkbox"/> Hand Dug Pit Well	<input checked="" type="checkbox"/> Hollow Stem Auger
<input type="checkbox"/> Other:			

IMPORTANT

A minimum 24-hour notice must be given to SCVWD prior to installing the annular seal.
Call (408) 265-2607 Ext. 2660. For weekends, holidays, after hours call (408) 265-2607, Ext. 2120.
Please allow 10 working days to process permit application.

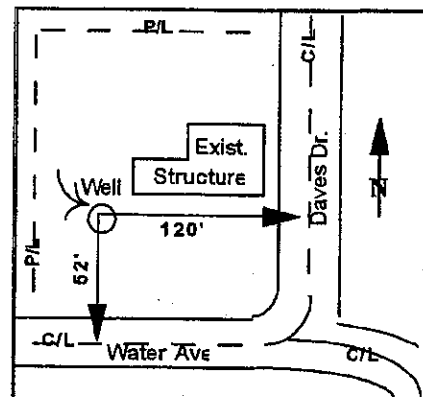
Site Plan

WELL LOCATION

(Draw accurately; recommend using assessor's map)

1. Sketch well location to scale, show dimensions to nearest foot. (Do not attach separate map.)
2. Show a minimum of two dimensions at right angles. Dimensions shall be from the centerline of the closest named streets, roads, or highways.

EXAMPLE →



Sketch well location as described above:

see attached map.



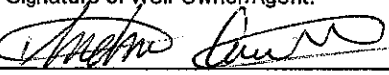

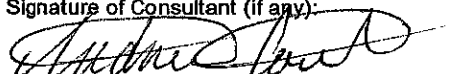
Please describe, in detail, the proposed destruction method*:

Well destruction via pressure grout according to SCVWD guidelines.

* Any well destruction in which the well casing is left in place and in which the well has a filter pack outside the casing, must be destroyed using approved neat cement grout.

I understand that all work is to be done in accordance with the District Well Ordinance, the District Well Standards, and the conditions of this permit (see page 4). I also certify that the information given in this permit is correct.

NOTE: All applicable signatures must be present before permit will be processed.

Signature of Well Owner/Agent: 	Print Name: Andrew Fowler URS for Atlantic Richfield Co	Date: 8/29/05
Signature of Driller/Agent: 	Print Name: Andrew Fowler URS for Gregg Drilling	Date: 8/29/05
Signature of Consultant (if any): 	Print Name: Andrew Fowler URS	Date: 8/29/05

DISTRICT USE ONLY

The District has approved the following destruction methods for the well described in this permit:

☒ Pressure Grout Method (as outlined in Standards).


NOTE: Neat cement is the only sealing material approved for pressure grouting.

☒ Drill out well to a total depth of 33 feet, with a minimum bore of 10 inches.

☐ Clean out well casing to a total depth of _____ feet and back fill with approved sealing material (if total depth is unknown, driller must determine total depth during clean out of well). NOTE: Neat cement is the only sealing material approved for back filling gravel packed wells.

☐ Well casing must be perforated at the following depths prior to backfilling: _____

☐ Other: _____

Permit Approved By: 	Date: 9-14-05		
District Permit No.: 05D00582	Date Issued: 9-14-05	Expiration Date: 3-14-06	Driller's Log No.: 029750

Please allow 10 working days to process this application.

GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE THE PLACEMENT OF THE WELL DESTRUCTION SEALING MATERIALS. An authorized District representative must be on site to witness the destruction activities. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification under penalty of perjury that the well was destroyed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well destruction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative believes that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains any incorrect information. If the permit is voided after work has begun, the well or boring that is being destroyed under this permit may be required to be reconstructed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream or watercourse, or on SCVWD property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone (408) 2652607, Ext. 2350, 2217, or 2253).
- F. Within 60 days of the completion of well destruction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and submit the original to the District's Wells and Water Production Unit.
- G. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting of or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- H. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- I. A current C-57 Water Well Drilling Contractors License is required for the destruction of all wells.
- J. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials generated during drilling, well destruction, well development, pump testing, or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials/waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways. Such materials/waters shall not be allowed to move off the property where the work is being completed.
- K. The driller and consultant (if applicable) shall have an active copy of their Worker's Compensation Insurance on file with the District.
- L. This Permit shall expire if not exercised within 180 calendar days of its approval unless an extension of the permit expiration date is granted in writing by an authorized District representative.
- M. If the well approved to be destroyed under this permit is a monitoring well, associated with an investigation/cleanup overseen by a regulatory agency, the proposed well destruction must be approved by the person with regulatory authority over the investigation/cleanup.
- N. This permit shall be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Please allow 10 working days to process this application.

SECOR

International Incorporated

Logged By CM	Date Drilled 8/30/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose	Method/Equipment: California Modified Split Spoon OVM 580 B	Well Number MW-7
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 10	Surface Elev.(ft.): 175.26	Groundwater Elevation (ft.): 148.26 First Water 151.49 Stabilized Water	Total Depth (ft.): 34.0
				Drive wt.(lbs.): 140	Drop Dist.(ft.): 30

Well Construction	Depth (ft.)	Sample Type	Blows/12"	Description	PID (ppm)	SAMPLE ID
Casing Elev.. 175.26						
Locking Well Vault				Asphalt Baselrock/Fill		
				Very Dark Grayish Brown (10YR 3/2) SANDY SILT (ML), trace clay, fine-grained sand, hard, moist, low plasticity (0, 30, 60, 10)		
Cement Grout	5					
4" Schedule 40 PVC Blank Casing	10		18	Brown (10YR 4/3) SILTY SAND (SM), trace clay, fine-grained sand, medium dense, moist (0, 80, 15, 5)	0	MW-7 10'
	15		16	Grades with rounded gravel		
Bentonite				Brown (7.5 YR 4/3) CLAYEY SAND (SC), with silt, fine-grained sand, medium dense, moist (0, 65, 15, 20)	0	MW-7 15'
	20			Dark Brown (7.5 YR 3/3) SANDY CLAY (CL), with silt, fine-grained sand, hard, moist, moderate plasticity (0, 30, 10, 60)		
#3 Monterey Sand				Brown (10YR 4/3), SILTY SAND (SM), with clay, fine-grained sand, dense, moist, rootholes (0, 50, 30, 20)		

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. 006.03935.040

Date 8/29/01

ARCO2114.GPJ
LOG OF BOREHOLE

Log of Well


Approved by

Figure

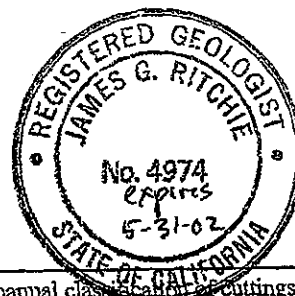
(sheet 1 of 2)

SECOR

International Incorporated

Logged By: CM	Date Drilled: 8/30/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose		Method/Equipment: California Modified Split Spoon OVM 580 B		Well Number: MW-7	
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam (in.): 10	Surface Elev. (ft.): 175.26	Groundwater Elevation (ft.): ✓ 148.26 First Water ✗ 151.49 Stabilized Water		Total Depth (ft.): 34.0	Drive wt. (lbs.): 140	Drop Dist. (in.): 30
Well Construction	Depth (ft.)	Sample Type	Blows/12"	Description			PID (ppm)	SAMPLE ID
			58	Grades to decreasing clay (0, 75, 20, 5)			0	MW-7 25'
	30			Brown (10YR 5/3) SILTY CLAY (CL), with fine-grained sand, hard, moist, moderate plasticity, large rootholes, (0, 15, 25, 60)				
				Dark Grayish Brown (10YR 4/2) SAND (SP), with silt, fine-grained sand, medium dense, wet (0, 90, 10, 0)				
	35			Drilled to 34' Sampled to 33'				
	40							
	45							

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.



Project No. 006.03935.040

Date 8/29/01

ARCO2114.GPJ
LOG OF BOREHOLE

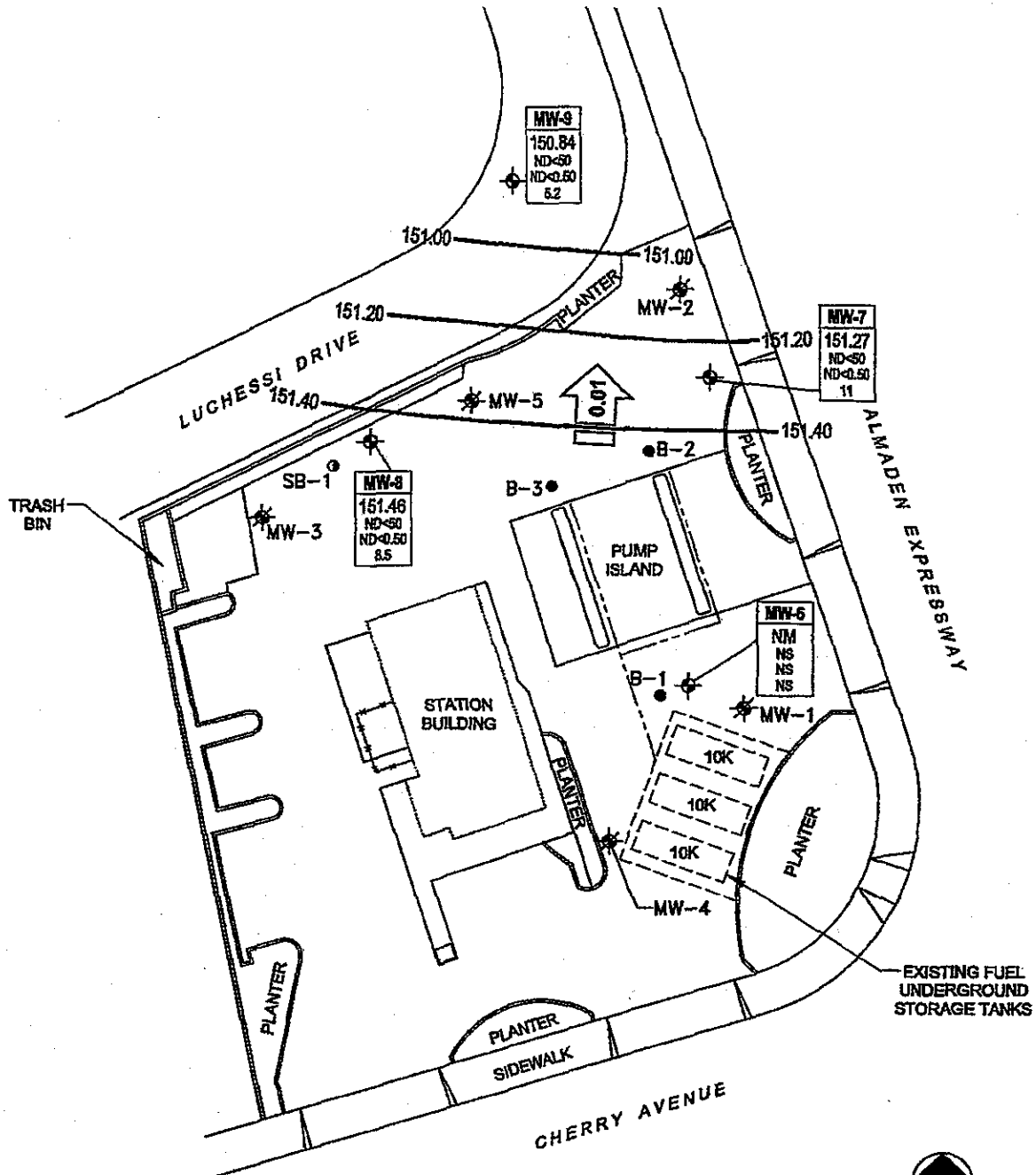
Log of Well

Approved by

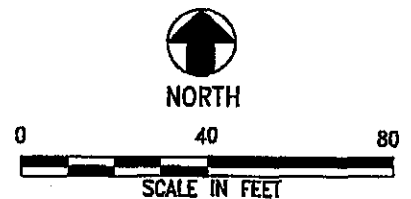
Figure

(sheet 2 of 2)

X:\env\waste\GP_GEM\Site\Keith Woodburn\Paul Supplet\2114\Reports\Monitoring\Ch. 3, 2003\Drawings\GWEC-AS 7-14.dwg, 08/28/2003 04:38:39 PM, JKMT, URS



- LEGEND**
- ABANDONED GROUNDWATER MONITORING WELL
 - GROUNDWATER MONITORING WELL
 - PRODUCT AND RETURN VAPOR LINE
 - GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
 - 151.00 GROUNDWATER ELEVATION CONTOUR (FT ABOVE MSL)
 - | Well | ELEV | TPH-g | Benzene | MTBE |
|------|------|-------|---------|------|
|------|------|-------|---------|------|
 - WELL DESIGNATION
 - GROUNDWATER ELEVATION (FT/MSL)
 - CONCENTRATIONS OF TPH-g, BENZENE AND MTBE IN GROUNDWATER (µg/L)
 - WELL INACCESSIBLE, PAVED OVER
 - ND< NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
 - NM NOT MEASURED
 - NS NOT SAMPLED



URS

Project No. 38486373
Arco Service Station 2114
4995 Almaden Expressway
San Jose, California

**GROUNDWATER ELEVATION CONTOUR
AND ANALYTICAL SUMMARY MAP**
Third Quarter 2003 (July 14, 2003)

FIGURE

1

Santa Clara Valley Water District

WELL CONSTRUCTION/COMPLETION NOTICE

FCE 158A (08-14-98)

Inspector: <u>Thiemann</u>		Date of Inspection: <u>8/30/01</u>	Permit: <u>01W00987</u>
Owner/Consultant Well No.: <u>MW-7</u>		Well Registration No.: <u>08S01E04N009</u>	
Well Owner: <u>Atlantic Richfield Co</u>	Address of Well Site: <u>4975 Almaden Exp</u>		City or County: <u>SJ</u>
Drilling Company: <u>Woodward</u>	Consultant: <u>SECOR</u>		
Cond. Bore:	Conductor Depth:	Conductor Diameter & Material: <u>Ø</u>	
TD: <u>33.5</u>	BOC: <u>33</u>	Boring Diameter: <u>10"</u>	Blank Casing Diameter & Material: <u>4" PVC</u>
Filter Pack Material: <u>#3</u>	Filter Pack Interval(s): <u>TP -16</u>	Bent: <u>16-14</u>	Screen Diameter, Material, & Size: <u>4" PVC 020</u>
Sealing Material: <input checked="" type="checkbox"/> Neat Cement	<input type="checkbox"/> 10 Sack Sand Slurry	Drilling Method: <input checked="" type="checkbox"/> HSA	<input type="checkbox"/> Mud rotary
<input type="checkbox"/> Bentonite	<input type="checkbox"/> Other (See Comments)	<input type="checkbox"/> Direct Push	<input type="checkbox"/> Air Rotary
Well Type: <input checked="" type="checkbox"/> GW Monitoring	<input type="checkbox"/> GW Extraction	<input type="checkbox"/> Vadose Monitoring	<input type="checkbox"/> Vadose Extraction
<input type="checkbox"/> Domestic	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Municipal/Industrial	<input type="checkbox"/> Elevator
		<input type="checkbox"/> Cathodic	<input type="checkbox"/> Other (See Comments)
Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)			
Well Location: <u>170</u>	<u>Cherry</u>	ft. E/W: <u>78</u>	<u>w/o Almaden Exp</u>
GPS Coordinates:	Lat: <u>37°15'34.07" N</u>	Long: <u>121°52'35.66" W</u>	
Comments:			

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLDNENROD-Permittee

Santa Clara Valley Water District

5750 Almaden Expressway, San Jose, CA 95118 (408) 265-2600

WELL CONSTRUCTION APPLICATION

FC 158 (04-22-92) (DP 4-901)

TO BE COMPLETED BY DISTRICT		
District Permit No.	Day Issued	Well Registration No.
00000000	8/20/01	00000000
District Rating	Expiration Date	District Fee
3	2/20/02	772317

TO BE COMPLETED BY OWNER AND DRILLER		
Property Owner: Atlantic Richfield Co.	Well Owner (if different):	Drilling Co: Woodward Drilling
Address: P.O. Box 6549	Address of Well Site: 4995 Almaden Exprwy	Driller's Contractors License Number (C-50 Req'd): 710079
City, State, Zip: Moraga, CA 94570	City, State, Zip: San Jose, CA 95118	Address: 550 River Road
Telephone No.: 925-299-8891	Telephone No.: 925-299-8891	City, State, Zip: Rio Vista, CA 94571
Assessor's Parcel No. of Well site: Book 569 Page 01 Parcel 036	Owner's/Consultant's Well No.: MW-7	Telephone No.: 707-374-4300
Estimated depth of completed well: <input checked="" type="checkbox"/> Less than 50 ft. <input type="checkbox"/> 50 to 300 ft. <input type="checkbox"/> Over 300 ft.		
Purpose of Well: <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Agricultural <input type="checkbox"/> *Monitoring <input type="checkbox"/> Cathodic Protection		
*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis. This includes wells constructed for general exploration and investigation purposes as well as those to be constructed in conformance with the Hazardous Materials Storage Permit Ordinance for site-specific groundwater monitoring of existing underground hazardous materials storage tanks.		

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS	
Purpose of Monitoring Well: <input type="checkbox"/> To comply with City or County Hazardous Materials Storage Permit Ordinance <input type="checkbox"/> Exploration studies	<input checked="" type="checkbox"/> Other (specify): <u>Subsurface Investigation</u> <input type="checkbox"/> Extraction/Recovery
NAME OF BUSINESS AT WELL SITE: <u>ARCOS Service Station 2114</u>	
If proposed well is to meet compliance with a Hazardous Materials Storage Permit Ordinance has the City or County been contacted? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Consultant's Name (Company): SECOR International Inc.	Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose
Address: 1225 Pear Ave, S-110	Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose
City, State, Zip: Mt. View, CA 94043	Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride
Telephone No.: 650-691-0131	Vadose device installation: <input type="checkbox"/> Vapor <input type="checkbox"/> Interface <input type="checkbox"/> Suction Lysimeter
	Signature of Responsible Professional: (No substitution of signature will be accepted) <u>[Signature]</u> REG 4974
	Registration No. Civil Engineer: <u>OR 4974</u> Certificate No. Engineering Geologist: <u>61112</u>

TOPOGRAPHIC FEATURES

Well is to be constructed: <input type="checkbox"/> In a public sidewalk <input type="checkbox"/> In a public road <input type="checkbox"/> On public property <input checked="" type="checkbox"/> On private property <input type="checkbox"/> On SCVWD property	
Within 50 ft. of the top of a creek bank <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 50 ft. of any existing well <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 50 ft. of a sanitary sewer <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within 150 ft. of a cesspool or seepage pit <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 100 ft. of a pit privy, septic tank, leachfield <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other wells exist on this property <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Status: <input type="checkbox"/> Active <input type="checkbox"/> Inactive <input type="checkbox"/> Abandoned	

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT:

I certify that the information given above is correct to the best of my knowledge. I certify that the well will be constructed in compliance with the conditions of this permit, the Santa Clara Valley Water District's Ordinance 90-1 and, if applicable, the Hazardous Materials Storage Permit Ordinance of the County or City, as appropriate. It is my responsibility as the well owner to notify this District of any changes in the purpose of this well from that which is indicated on this application form.

[Signature]
Signature of Well Owner/Agent

[Signature]
Signature of Driller/Agent

8-9-01

Date

8-9-01

Date

MONITORING (USE PLAN APPROVAL)	
City/County:	
Approved by:	
Date:	

IMPORTANT: A minimum 24-hour notice must be given to SCVWD Well Inspection Dept. prior to installing the annular seal. Call (408) 927-0710 Ext. 2660. For weekends, holidays, after hours call (408) 395-9121 or (408) 927-0714.

ORIGINAL
File with DWR
Page 1 of 4

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

Owner's Well No. NW-7
Date Work Began 8/30/01 Ended 8/30/01 No. 772317
Local Permit Agency S.C.V.W.D.
Permit No. 01W00987 Permit Date 8/20/01

DWR USE ONLY - DO NOT FILL IN

08S01E04M009
STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (°) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE (SPECIFY) _____

DEPTH FROM SURFACE
FL. to FL.

DRILLING METHOD HOLLOW STEM AUGER FLUID _____

DESCRIPTION
Describe material, grain size, color, etc.

See attached
boring log

WELL OWNER

Name ATLANTIC RECLAIMED COMPANY
Mailing Address P.O. BOX 6549 CA 94575
City MORAGA STATE CA ZIP 94575

WELL LOCATION

Address 4445 AMADEN EXPRESSWAY
City SAN JOSE
County SANTA CLARA
APN Book 501 Page 01 Parcel 036
Township _____ Range _____ Section _____
Latitude _____ NORTH _____ WEST _____
DEG. MIN. SEC. DEG. MIN. SEC.

LOCATION SKETCH

WEST _____ SOUTH _____ EAST _____

Illustrate or Describe Distance of Well from Roads, Buildings, Fences, Rivers, etc. and attach a map. Use additional paper if necessary. PLEASE BE ACCURATE & COMPLETE.

ACTIVITY (°)

☒ NEW WELL

MODIFICATION/REPAIR
_____ Deepen
_____ Other (Specify) _____

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (°)

WATER SUPPLY
_____ Domestic _____ Public
_____ Irrigation _____ Industrial

MONITORING ☒

TEST WELL _____

CATHODIC PROTECTION _____

HEAT EXCHANGE _____

DIRECT PUSH _____

INJECTION _____

VAPOR EXTRACTION _____

SPARGING _____

REMEDIATION _____

OTHER (SPECIFY) _____

See attached
map.

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 148.26 (FL) BELOW SURFACE

DEPTH OF STAT. WATER LEVEL 151.49 (FL) & DATE MEASURED _____

ESTIMATED YIELD _____ (GPM) & TEST TYPE _____

TEST LENGTH _____ (Hrs.) TOTAL DRAWDOWN _____ (FL.)

* May not be representative of a well's long-term yield.

TOTAL DEPTH OF BORING 34 Feet

TOTAL DEPTH OF COMPLETED WELL 33 Feet

DEPTH FROM SURFACE FL. to FL.	BORE-HOLE DIA. (Inches)	CASING (S)						DEPTH FROM SURFACE FL. to FL.	ANNULAR MATERIAL			
		TYPE (°)			MATERIAL / GRADE	INTERNAL DIAMETER (Inches)	GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (Inches)	TYPE			
		BLANK	SOREN	CON- DUCTOR					CE- MENT (°)	BEN- TONITE (°)	FILL (°)	FILTER PACK (TYPE/SIZE)
0	18	10	✓		PVC	4	40	0.020	✓			
18	33	10	✓		PVC	4	40			✓		#3 SAND

ATTACHMENTS (°)

☒ Geologic Log

☒ Well Construction Diagram

☐ Geophysical Log(s)

☐ Soil/Water Chemical Analysis

☒ Other SITE PLAN

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME SECOR INTERNATIONAL
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

ADDRESS 2301 VEGHORN ST. MOUNTAIN VIEW CA 94043
CITY 9/24/01 STATE CA ZIP 94043

Signature [Signature] DATE SIGNED 9/24/01 C-57 LICENSE NUMBER 7100799



APN: 56901036
4995 Almaden Expy
San Jose CA
95118

Well Annotations - 9 Wells Selected

No	Well_nbr	Permit	Consultnum	Status	Easting	Northing
1	08S01E04N008	01W00986	MW-6	Other-Active	6161047	1919818
2	08S01E04N009	01W00987	MW-7	Other-Active	6161057	1919888
3	08S01E04N010	01W00988	MW-8	Other-Active	6160948	1919873
4	08S01E05R008	86W0272	A2114-B7	Other-Active	6160923	1919795
5	08S01E05R009	96D01033	MW-3	Destroyed	6160938	1919852
6	08S01E05R010	96D01034	MW-2	Destroyed	6161044	1919891
7	08S01E05R011	96D01030	MW-1	Destroyed	6161029	1919801
8	08S01E05R012	96D01032	MW-4	Destroyed	6160995	1919784
9	08S01E05R013	96D01031	MW-5	Destroyed	6160995	1919880

Wells.shp

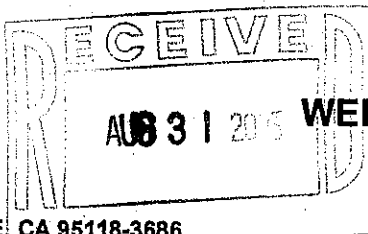
- Water Supply - Active
- Water Supply - Standby
- Water Supply - Inactive
- Extraction (Env) - Active
- Extraction (Env) - Inactive
- Other - Active
- Other - Inactive
- Abandoned
- Destroyed
- Status Undetermined

Parcels.shp
VALFLOOR.SHP

- Zone 1
- Zone 2
- Zone 3
- Zone 4
- Zone 5

Approximate Scale

40 0 40 80 Feet



WELL DESTRUCTION APPLICATION

FC 198w (12-16-02)

Page 1 of 4

5750 ALMADEN EXPRESSWAY, SAN JOSE, CA 95118-3686

Please complete all information.

DISTRICT PERMIT NO.:

05D00583

Well Owner: Atlantic Richfield Company	Property Owner: Atlantic Richfield Company	Name of Business/Residence at Well Site: ARCO Service Station # 2114
Well Owner's Mailing Address: P.O. Box 6549	Property Owner's Mailing Address: P.O. Box 6549	Address of Well Site: 4995 Almaden Expressway
City, State, Zip: Moraga, CA 94570	City, State, Zip: Moraga, CA 94570	City, State, Zip: San Jose, CA
Telephone No.: 925-299-8891	Telephone No.: 925-299-8891	Assessor's Parcel Number of Well Site: Book: 569 Page: 01 Parcel: 036
Consultant: URS Corporation	Drilling Company: Gregg Drilling	
Address: 1333 Broadway, Suite 800	Address: 950 Howe Road	
City, State, Zip: Oakland, CA 94612	City, State, Zip: Martinez, CA 94553	
Telephone No.: 510-874-3026 Attn: John McCain	Telephone No.: 925-313-5800	C-57 License No.: 485165
<input type="checkbox"/> Check if address or phone number has changed.	<input type="checkbox"/> Check if address or phone number has changed.	

All questions below are to be completed before permit can be issued; if unknown, applicant shall make on-site investigation to determine correct answers.

Well Information

Well Registration No.: 08S01E04ND10	Owner/Consultant Well No.: MW-8	Original Well Construction Permit No.: 01W00988
Well Casing Depth: 32.5'	Total Boring Depth: 33'	Well Casing Diameter: 4"

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS

CASE NAME: ARCO Service Station

Oversight Agency: Santa Clara Co. Env. Health If under S.C.V.W.D. oversight, list Case Number(s):

<input type="checkbox"/> Well on SCVWD property/easement*	<input type="checkbox"/> Well is within 50 feet of the top of a creek/river bank*	(* See General Conditions, E.)
Well Description:		
<input checked="" type="checkbox"/> Vertical Well	<input type="checkbox"/> Dewatering Well	<input type="checkbox"/> Elevator Shaft
<input type="checkbox"/> Multiple Casing	<input type="checkbox"/> Horizontal Wall	<input type="checkbox"/> Pit Well
Well Type: check all that apply		
<input type="checkbox"/> Water Producing (supply or extraction)	<input type="checkbox"/> Contamination Cleanup	<input type="checkbox"/> Agricultural
<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal & Industrial	<input type="checkbox"/> Vapor Extraction
<input checked="" type="checkbox"/> Monitoring	<input type="checkbox"/> Inclinometer	<input checked="" type="checkbox"/> Groundwater
<input type="checkbox"/> Vadose	<input type="checkbox"/> Piezometer	<input type="checkbox"/> Interface
<input type="checkbox"/> Suction Lysimeter	<input type="checkbox"/> Seismic	
<input type="checkbox"/> Injection/Infiltration	<input type="checkbox"/> Contamination Cleanup	<input type="checkbox"/> Reclaimed Water
<input type="checkbox"/> Air Sparging		
<input type="checkbox"/> Cathodic Protection		

Additional Questions For Water Producing Wells

Does the well have:	1. Outer conductor casing?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	2. Annular cement seal outside of casing at surface?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	3. A S.C.V.W.D. water meter attached?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Type of Original Drilling Method:			
<input type="checkbox"/> Rotary	<input type="checkbox"/> Cable-Tool	<input type="checkbox"/> Hand Dug Pit Well	<input checked="" type="checkbox"/> Hollow Stem Auger
<input type="checkbox"/> Other:			

IMPORTANT

A minimum 24-hour notice must be given to SCVWD prior to installing the annular seal.
Call (408) 265-2607 Ext. 2660. For weekends, holidays, after hours call (408) 265-2607, Ext. 2120.
Please allow 10 working days to process permit application.



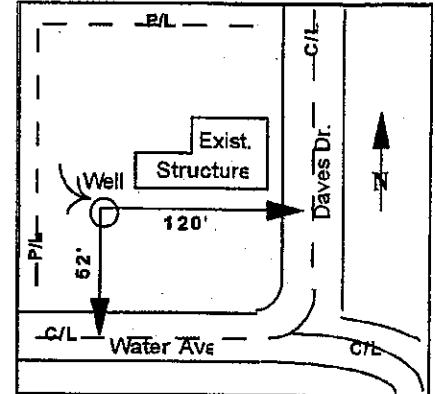
Site Plan

WELL LOCATION

(Draw accurately; recommend using assessor's map)

1. Sketch well location to scale, show dimensions to nearest foot. (Do not attach separate map.)
2. Show a minimum of two dimensions at right angles. Dimensions shall be from the centerline of the closest named streets, roads, or highways.

EXAMPLE →



Sketch well location as described above:



Please describe, in detail, the proposed destruction method*:

Well destruction via pressure grout according to SCVWD guidelines.

*Any well destruction in which the well casing is left in place and in which the well has a filter pack outside the casing, must be destroyed using approved neat cement grout.

I understand that all work is to be done in accordance with the District Well Ordinance, the District Well Standards, and the conditions of this permit (see page 4). I also certify that the information given in this permit is correct.

NOTE: All applicable signatures must be present before permit will be processed.

Signature of Well Owner/Agent:	Print Name: John McCain/ URS for Atlantic Richfield Co	Date:
Signature of Driller/Agent:	Print Name: Shannon Couch/ URS for Gregg Drilling	Date:
Signature of Consultant (if any):	Print Name: John McCain URS	Date:

DISTRICT USE ONLY

The District has approved the following destruction methods for the well described in this permit:

☒ Pressure Grout Method (as outlined in Standards).

NOTE: Neat cement is the only sealing material approved for pressure grouting.

☒ Drill out well to a total depth of 33 feet, with a minimum bore of 10 inches.

☐ Clean out well casing to a total depth of _____ feet and back fill with approved sealing material (if total depth is unknown, driller must determine total depth during clean out of well). **NOTE:** Neat cement is the only sealing material approved for back filling gravel packed wells.

☐ Well casing must be perforated at the following depths prior to backfilling: _____

☐ Other: _____

Permit Approved By:

B. Carr

Date:

9-14-05

District Permit No.:

05D00583

Date issued:

9-14-05

Expiration Date:

3-14-06

Driller's Log No.:

029751

Please allow 10 working days to process this application.



GENERAL CONDITIONS

- A. SCVWD (Telephone 408-265-2607, Ext. 2660) MUST BE NOTIFIED A MINIMUM OF ONE WORKING DAY BEFORE THE PLACEMENT OF THE WELL DESTRUCTION SEALING MATERIALS. An authorized District representative must be on site to witness the destruction activities. This requirement may be waived by an authorized District representative. If the District waives the inspection requirement, the District may request the Permittee(s) to furnish certification under penalty of perjury that the well was destroyed in accordance with the District Well Standards and with the permit conditions.
- B. This Permit is valid only for the purpose specified herein. Well destruction methods authorized under this Permit may not be changed except by written approval of an authorized District representative, and only if the District believes that such a change will result in equal or superior compliance with the District and State Well Standards (e.g. if the District representative believes that site conditions warrant such a change).
- C. This Permit is only valid for the Assessor's Parcel Number indicated on it.
- D. This Permit may be voided if it contains any incorrect information. If the permit is voided after work has begun, the well or boring that is being destroyed under this permit may be required to be reconstructed in accordance with District and State Well Standards.
- E. If any work associated with this permit will take place within 50 feet of the top of the banks of a stream or watercourse, or on SCVWD property, an encroachment or construction permit must be granted by the District's Community Projects Review Unit (telephone (408) 2652607, Ext. 2350, 2217, or 2253).
- F. Within 60 days of the completion of well destruction activities, the driller or consultant identified on this permit shall fully complete State of California DWR Form 188 and submit the original to the District's Wells and Water Production Unit.
- G. The Permittee(s) shall assume entire responsibility for all activities and uses under this Permit and shall indemnify, defend, and hold the District, its officers, agents, and employees free and harmless from any and all expense, cost, and liability in connection with or resulting from, the granting of or exercise of this Permit including, but not limited to, property damage, personal injury, and wrongful death.
- H. Permittees are required to be in full compliance with Cal/OSHA California Labor Code Section 6300.
- I. A current C-57 Water Well Drilling Contractors License is required for the destruction of all wells.
- J. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all materials generated during drilling, well destruction, well development, pump testing, or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials/waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways. Such materials/waters shall not be allowed to move off the property where the work is being completed.
- K. The driller and consultant (If applicable) shall have an active copy of their Worker's Compensation Insurance on file with the District.
- L. This Permit shall expire if not exercised within 180 calendar days of its approval unless an extension of the permit expiration date is granted in writing by an authorized District representative.
- M. If the well approved to be destroyed under this permit is a monitoring well, associated with an investigation/cleanup overseen by a regulatory agency, the proposed well destruction must be approved by the person with regulatory authority over the investigation/cleanup.
- N. This permit shall be kept on-site during the completion of all activities associated with it and shall immediately be presented to an authorized District representative upon request.

Please allow 10 working days to process this application.

SECOR

International Incorporated

Logged By: CM	Date Drilled: 8/29/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose		Method/Equipment: California Modified Split Spoon OVM 580 B	Well Number: MW-8	
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 10	Surface Elev.(ft.): 176.43	Groundwater Elevation (ft.): ▽ 151.43 First Water ▽151.78 Stabilized Water	Total Depth (ft.): 33.0	Drive wt.(lbs): 140	Drop Dist.(in.): 30

Well Construction	Depth, (ft.)	Sample Type	Description
Casing Elev.: 176.43			
Locking Well Vault		Asphalt	
		Bedrock/Fill	
			Very Dark Grayish Brown (10YR 3/2) SANDY SILT (ML), with clay, fine-grained sand, hard, dry, low plasticity (0, 30, 60, 10)
	5		Brown (10 YR 4/3) SILTY SAND (SM), fine-grained sand, dry, very dense, rootholes (0, 75, 25, 0)
Cement Grout			
			Brown (10YR 4/3) SANDY SILT (ML), fine-grained sand, hard, dry (0, 25, 75, 0)
4" Schedule 40 PVC Blank Casing	10		
			Brown (10 YR 4/3) SILTY SAND (SM), with gravel, fine-grained sand, dry, very dense, rootholes (0, 75, 25, 0)
Bentonite	15		
	20		Dark Brown (7.5 YR 3/4) SANDY CLAY (CL), with silt, fine-grained sand, very stiff, moist, moderate plasticity (0, 30, 20, 50)
		Grades with gravel	
#3 Monterey Sand			Brown (10 YR 4/3) CLAYEY GRAVEL (GC), with fine-grained sand, fine well-rounded gravel, very dense, moist (50, 15, 15, 20)
The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.			

Project No. 006.03935.040

Date 8/29/01

ARCO2114.GPJ
LOG OF BOREHOLE

Log of Well

Approved by

Figure

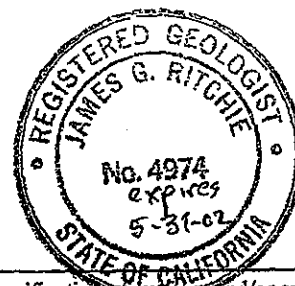
(sheet 1 of 2)

SECOR

International Incorporated

Logged By: CM	Date Drilled: 8/29/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose	Method/Equipment: California Modified Split Spoon OVM 580 B	Well Number: MW-8
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 10	Surface Elev.(ft.): 176.43	Groundwater Elevation (ft.): ∇ 151.43 First Water ∇ 151.78 Stabilized Water	Total Depth (ft.): 33.0
				Drive wt.(lbs.): 140	Drop Dist.(in.): 30

Well Construction	Depth, (ft.)	Sample Type	Description
4" Schedule 40 PVC 0.020 Slotted Screen End Cap	30		Brown (10 YR 4/3) SANDY GRAVEL (GM) with silt and trace clay, fine-grained sand, fine to medium gravel, very dense, wet (55, 25, 15, 5) Grades wet
	35		Drilled to 33'
	40		Lithologic description assumed to be the same as boring SB-1 because of the close proximity.
	45		



The substrata descriptions above are generalized representations and based upon visual/manual classification of surface and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. 006.03935.040

Date 8/29/01

ARCO2114.GPJ
LOG OF BOREHOLE

Log of Well

Approved by

Figure

(sheet 2 of 2)

Santa Clara Valley Water District

WELL CONSTRUCTION/COMPLETION NOTICE

FCE 158A (08-14-98)

Inspector: <u>Thiemann</u>		Date of Inspection: <u>8/30/01</u>		Permit: <u>01W00988</u>	
Owner/Consultant Well No.: <u>MW-8</u>		Well Registration No.: <u>08S01E04N010</u>			
Well Owner: <u>Atlantic Richfield Co</u>		Address of Well Site: <u>4495 Almaden Exp</u>		City or County: <u>SJ</u>	
Drilling Company: <u>Woodward</u>		Consultant: <u>SECOR MV</u>			
Cond. Bore: <u>0</u>	Conductor Depth: <u>0</u>	Conductor Diameter & Material: <u>0</u>			
TD: <u>33.5</u>	BOC: <u>33</u>	Boring Diameter: <u>10"</u>	Blank Casing Diameter & Material: <u>4" PVC</u>		
Filter Pack Material: <u>#3</u>	Filter Pack Interval(s): <u>1-6</u>	Bent: <u>16'14"</u>	Screen Diameter, Material, & Size: <u>4" PVC 020</u>	Screen Interval(s): <u>33-18</u>	
Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> Bentonite		<input type="checkbox"/> 10 Sack Sand Slurry <input type="checkbox"/> Other (See Comments)		Drilling Method: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Mud rotary <input type="checkbox"/> Other (See Comments)	
				<input type="checkbox"/> Direct Push <input type="checkbox"/> Air Rotary	
Well Type: <input checked="" type="checkbox"/> GW Monitoring <input type="checkbox"/> GW Extraction <input type="checkbox"/> Vadose Monitoring <input type="checkbox"/> Vadose Extraction <input type="checkbox"/> Cathodic					
<input type="checkbox"/> Domestic <input type="checkbox"/> Agricultural <input type="checkbox"/> Municipal/Industrial <input type="checkbox"/> Elevator <input type="checkbox"/> Other (See Comments)					
Well constructed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)					
Well Location: <u>172 NS</u> <u>Cherry</u> R. E/W: <u>161 w/o</u> <u>Almaden Exp</u>					
GPS Coordinates: Lat: <u>37 15 33.84 N</u> Long: <u>121 52 36.67 W</u>					

Distribution: ORIGINAL-Permit File; YELLOW-City/County; PINK-Well File; GOLD-MENROD-Permittee

Santa Clara Valley Water District

5750 Almaden Expressway, San Jose, CA 95118 (408) 265-2800

WELL CONSTRUCTION APPLICATION

FC 158 (04-22-02) (DP 4-901)

TO BE COMPLETED BY DISTRICT		
Project No.	Date Issued	Well Construction No.
3	2/20/02	772318

TO BE COMPLETED BY OWNER AND DRILLER		
Property Owner: Atlantic Richfield Co.	Well Owner (if different):	Drilling Co: Woodward Drilling
Address: P.O. Box 6549	Address of Well Site: 4995 Almaden Exprwy	Driller's Contractors License Number (C-5B Req'd): 710079
City, State, Zip: Moraga, CA 94570	City, State, Zip: San Jose, CA 95118	Address: 550 River Road
Telephone No.: 925-299-8891	Telephone No.: 925-299-8891	City, State, Zip: Rio Vista, CA 94571
Assessor's Parcel No. of Well site: Book 569 Page 01 Parcel 036	Owner's/Consultant's Well No.: MW-8	Telephone No.: 707-374-4300

Estimated depth of completed well: ☒ Less than 50 ft. ☐ 50 to 300 ft. ☐ Over 300 ft.

Purpose of Well: ☐ Domestic ☐ Municipal/Industrial ☐ Agricultural ☐ *Monitoring ☐ Cathodic Protection

*Monitoring wells are those constructed for the purpose of obtaining repetitive water level measurements and/or repetitive air samples for analysis. This includes wells constructed for general exploration and investigation purposes as well as those to be constructed in conformance with the Hazardous Materials Storage Permit Ordinance for site-specific groundwater monitoring of existing underground hazardous materials storage tanks.

THIS SECTION TO BE COMPLETED FOR ALL MONITORING WELLS OR EXTRACTION/RECOVERY WELLS

Purpose of Monitoring Well: ☐ To comply with City or County Hazardous Materials Storage Permit Ordinance ☐ Exploration studies
☒ Other (specify): Subsurface Investigation ☐ Extraction/Recovery

NAME OF BUSINESS AT WELL SITE: ARC Service Station 2114

If proposed well is to meet compliance with a Hazardous Materials Storage Permit Ordinance has the City or County been contacted? ☐ Yes ☐ No

Consultant's Name (Company): SECOR International Inc.	Type of monitoring device: <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Vadose
Address: 1225 Pear Ave, S-110	Type of extraction device: <input type="checkbox"/> Groundwater <input type="checkbox"/> Vadose
City, State, Zip: Mt. View, CA 94043	Monitoring well use: <input type="checkbox"/> Depth <input checked="" type="checkbox"/> Quality <input type="checkbox"/> Chloride
Telephone No.: 650-691-0131	Vadose device installation: <input type="checkbox"/> Vapor <input type="checkbox"/> Interface <input type="checkbox"/> Suction Lysimeter
	Signature of Responsible Professional (No substitution of signature will be accepted): <u>Sam M. Ritchie</u>
	Registration No. Civil Engineer: <u>RG 4974</u>

TOPOGRAPHIC FEATURES

Well is to be constructed: ☐ In a public sidewalk ☐ In a public road ☐ On public property ☒ On private property

Within 50 ft. of the top of a creek bank: ☐ Yes ☒ No Within 50 ft. of any existing well: ☐ Yes ☒ No

Within 50 ft. of a sanitary sewer: ☐ Yes ☒ No Within 150 ft. of a cesspool or seepage pit: ☐ Yes ☒ No

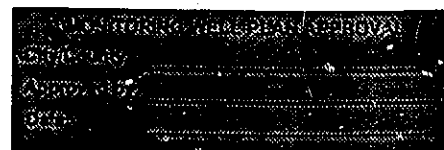
Within 100 ft. of a pit privy, septic tank, leachfield: ☐ Yes ☒ No Other wells exist on this property: ☐ Yes ☒ No

CERTIFICATION BY WELL OWNER/AGENT AND DRILLER/AGENT:

Status: ☐ Active ☐ Inactive ☐ Abandoned

I certify that the information given above is correct to the best of my knowledge. I certify that the well will be constructed in compliance with the conditions of this permit, the Santa Clara Valley Water District's Ordinance 90-1 and, if applicable, the Hazardous Materials Storage Permit Ordinance of the County or City, as appropriate. It is my responsibility as the well owner to notify this District of any changes in the purpose of this well from that which is indicated on this application form.

Signature of Well Owner/Agent: <u>Sam M. Ritchie</u>	Date: 8-9-01
Signature of Driller/Agent: <u>Amille C. Smith</u>	Date: 8-9-01



IMPORTANT: A minimum 24-hour notice must be given to SCVWD Well Inspection Dept. prior to installing the annular seal. Call (408) 927-0710 Ext. 2660. For weekends, holidays, after hours call (408) 395-8121 or (408) 927-0714.

ORIGINAL
File with DWR

Page 1 of 4

Owner's Well No. MW-8

Date Work Began 8/29/01

Local Permit Agency S.C.V.W.O.

Permit No. 01W00988

STATE OF CALIFORNIA
WELL COMPLETION REPORT
Refer to Instruction Pamphlet

No. 772318

Ended 8/29/01

Permit Date 8/20/01

DWR USE ONLY - DO NOT FILL IN

08SIO/EO4ND010

STATE WELL NO./STATION NO.

LATITUDE LONGITUDE

APN/TRS/OTHER

GEOLOGIC LOG

ORIENTATION (°) ☒ VERTICAL ☐ HORIZONTAL ☐ ANGLE (SPECIFY)

DEPTH FROM SURFACE

FL. to FL.

DRILLING METHOD HOLLOW STEM AUGER FLUID

DESCRIPTION

Describe material, grain size, color, etc.

See attached boring log

TOTAL DEPTH OF BORING 33 Feet

TOTAL DEPTH OF COMPLETED WELL 33 Feet

WELL OWNER

Name ATMATIC RICHFIELD COMPANY

Mailing Address P.O. BOX 6549

INDRAGA CA 94575

CITY STATE ZIP

Address 4445 ALMADEN EXPRESSWAY

City SAN JOSE

County SANTA CLARA

APN Book 54 Page 01 Parcel 034

Township Range Section

Latitude Longitude

DEG. MIN. SEC. NORTH

DEG. MIN. SEC. WEST

LOCATION SKETCH

See attached map.

ACTIVITY (°)

☒ NEW WELL

MODIFICATION/REPAIR

Deepen

Other (Specify)

DESTROY (Describe Procedures and Materials Under "GEOLOGIC LOG")

PLANNED USES (°)

WATER SUPPLY

Domestic Public

Irrigation Industrial

MONITORING ☒

TEST WELL

CATHODIC PROTECTION

HEAT EXCHANGE

DIRECT PUSH

INJECTION

VAPOR EXTRACTION

SPARGING

REMEDIATION

OTHER (SPECIFY)

WATER LEVEL & YIELD OF COMPLETED WELL

DEPTH TO FIRST WATER 15.43 (FL.) BELOW SURFACE

DEPTH OF STATIC WATER LEVEL 15.78 (FL.) & DATE MEASURED

ESTIMATED YIELD (GPM) & TEST TYPE

TEST LENGTH (Hrs.) TOTAL DRAWDOWN (FL.)

* May not be representative of a well's long-term yield.

DEPTH FROM SURFACE	BORE- HOLE DIA. (inches)	CASING (S)							DEPTH FROM SURFACE	ANNULAR MATERIAL					
		TYPE (✓)					MATERIAL / GRADE	INTERNAL DIAMETER (inches)		GAUGE OR WALL THICKNESS	SLOT SIZE IF ANY (inches)	TYPE			
		BLANK	SCREEN	CON- DUCTOR	FILL PIPE	CE- MENT (✓)						BEN- TONITE (✓)	FILL (✓)	FILTER PACK (TYPE/SIZE)	
FL. to FL.									FL. to FL.						
0 to 10	10	✓				PVC	4	40	0.020	0 to 14	✓				
10 to 33	33	✓				PVC	4	40		14 to 16	✓				
										16 to 33		✓	#3 SAND		

ATTACHMENTS (°)

☒ Geologic Log

☒ Well Construction Diagram

☐ Geophysical Log(s)

☐ Soil/Water Chemical Analyses

☒ Other SITE PLAN

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME SECOR INTERNATIONAL

PERSON, FIRM OR CORPORATION (TYPED OR PRINTED)

2301 LEB HORN ST., MOUNTAIN VIEW CA 94043

ADDRESS CITY STATE ZIP

James C. O'Connell for Woodward 9/24/01 710079

Signed DATE SIGNED C-57 LICENSE NUMBER

4995 Almaden Expwy



Well Annotations- 9 Wells Selected

APN: 56901036
4995 Almaden Expy
San Jose CA
95118

No	Well_nbr	Permit	Consulnum	Status	Easting	Northing
1	08S01E04N008	01W00986	MW-6	Other-Active	6161047	1919818
2	08S01E04N009	01W00987	MW-7	Other-Active	6161057	1919888
3	08S01E04N010	01W00988	MW-8	Other-Active	6160948	1919873
4	08S01E05R008	86W0272	A2114-B7	Other-Active	6160923	1919795
5	08S01E05R009	96D01033	MW-3	Destroyed	6160938	1919852
6	08S01E05R010	96D01034	MW-2	Destroyed	6161044	1919891
7	08S01E05R011	96D01030	MW-1	Destroyed	6161029	1919801
8	08S01E05R012	96D01032	MW-4	Destroyed	6160995	1919784
9	08S01E05R013	96D01031	MW-5	Destroyed	6160995	1919880

- Wells.shp
- Water Supply - Active
 - Water Supply - Standby
 - Water Supply - Inactive
 - Extraction (Env) - Active
 - Extraction (Env) - Inactive
 - Other - Active
 - Other - Inactive
 - Abandoned
 - Destroyed
 - Status Undetermined
- Parcels.shp
- Fuelleak.shp
- VALFLOOR.SHP
- Zone 1
 - Zone 2
 - Zone 3
 - Zone 4
 - Zone 5

Approximate Scale

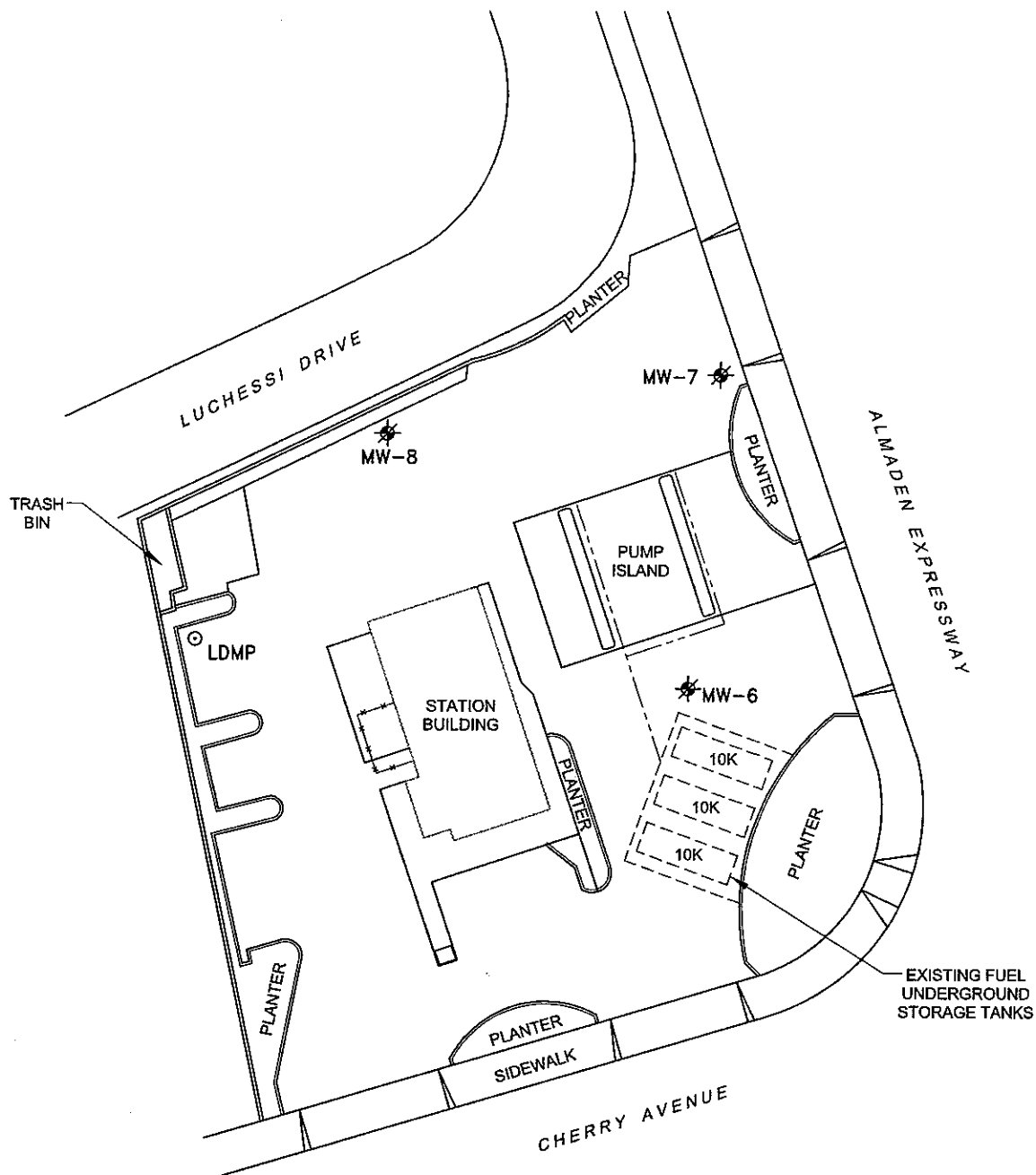
40 0 40 80 Feet

Attachment B

DWR Well Completion Reports

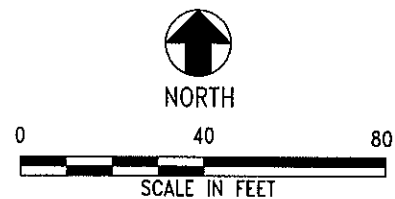
(Original copy submitted to the SCVWD Wells Division)

Dec 22, 2005 - 9:22am
X:\c_univ\waste\BP GEM\Site\Ymelle Onishi - SCYWD ARCO Sites\Paul Supple\2114 - closed\Reports\Monitoring\Qtr. 3, 2003\Drawings\GWEC-AS_12-9.dwg



LEGEND

- LEAK DETECTION MONITORING PROBE (LDMP)
- ★ DESTROYED GROUNDWATER MONITORING WELL
- PRODUCT AND RETURN VAPOR LINE



URS

Project No. 38487377
Arco Service Station 2114
4995 Almaden Expressway
San Jose, California

SITE MAP

FIGURE
1

Permit No. _____

Refer to Instruction Pamphlet

DWR USE ONLY										DO NOT FILL IN									
08501504N008										STATE WELL NO./STATION NO.									
LATITUDE					LONGITUDE														
APN/TRS/OTHER																			

ATTACH ADDITIONAL INFORMATION, IF IT EXISTS.

WELL DRILLER/AUTHORIZED REPRESENTATIVE

IF ADDITIONAL SPACE IS NEEDED, USE NEXT PAGE.

TATIVE _____ DATE SIGNED _____ C-57 LICENSE NUMBER _____

CONSECUTIVELY NUMBERED FORM

CERTIFICATION STATEMENT

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

NAME Shannon Couch for Gregg Stilling
(PERSON, FIRM, OR CORPORATION) (TYPED OR PRINTED)

950 Howe Road Martinez CA 94553
ADDRESS CITY STATE ZIP

[Signature] 11-28-05 485165
Signed DATE SIGNED

WFL ORILER AUTHORIZED REPRESENTATIVE



WELL DESTRUCTION COMPLETION NOTICE

FCE 218 (08-14-98)

Inspector: Jacobson		Date of Inspection: 10/6/05		Permit: 05D00581	
Owner/Consultant No: AW-6		Well Registration No: 08501E04N008			
Well Owner: Alameda Rutfield		Address of Well Site: 4995 Almaden Epy		City or County: ST	
Drilling Company: (Signature)		Consultant: URS			
Well Depth: 32'	Borehole Diameter: 10"	Casing Diameter: 4"	Casing Material: PVC	Well Type: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Rotary <input type="checkbox"/> Other (see comments)	
Casing Perforated: 17' to 32'			Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry		
			<input type="checkbox"/> Bentonite <input type="checkbox"/> Other (See Comments)		
Destruction Method: <input checked="" type="checkbox"/> Pressure Grout <input type="checkbox"/> Drill Out <input type="checkbox"/> Excavate					
<input type="checkbox"/> Ball, Perf. & Backfill <input type="checkbox"/> Ball & Backfill <input type="checkbox"/> Other (See Comments)					
Well destroyed according to provisions of Santa Clara Valley Water District Permit?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)	
GPS Coordinates Lat: Long:					
Comments:					
Distribution: ORIGINAL Permit File: YELLOW-City/County: PINK-Well File: GOLDENROD-Permittee:					

SECOR

International Incorporated

Logged By: CM	Date Drilled: 8/30/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose	Method/Equipment: California Modified Split Spoon OVM 580 B	Well Number: MW-6
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam (in.): 10	Surface Elev (ft): 175.64	Groundwater Elevation (ft): ▽ 150.74 First Water ▽152.10 Stabilized Water	Total Depth (ft.): 32.0
				Drive wt.(lbs.): 140	Drop Dist.(in.): 30

Well Construction	Depth, (ft.)	Sample Type	Blows/12"	Description	PTD (ppm)	SAMPLE ID
Casing Elev.: 175.37						
Locking Well Vault				Asphalt		
				Baseroack/Fill		
				Very Dark Grayish Brown (10YR 3/2) SANDY SILT (ML), with clay, fine-grained sand, hard, moist, low plasticity (0, 30, 60, 10)		
				Brown (10YR 3/4) SANDY CLAY (CL), with silt, fine-grained sand, very stiff, moist, moderate plasticity (0, 30, 20, 50)	0	
Cement Grout	5				0	
4" Schedule 40 PVC Blank Casing	10		19	Dark Brown (7.5YR 3/2) SILTY SAND (SM), with gravel, fine-grained sand, medium dense, moist (15, 65, 20, 0)	0	MW-6 10'
Bentonite	15		16	Dark Grayish Brown (10YR 4/2) SANDY CLAY (CL), with silt, fine-grained sand, stiff, moist, low plasticity (0, 40, 10, 50)	0	MW-6 15'
	20			Dark Grayish Brown (10YR 4/2) SANDY GRAVEL (GM), with silt and clay, fine-grained sand, fine subangular gravel, very dense, moist (55, 20, 15, 10)	12	
#3 Monterey Sand					9	

The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.

Project No. 006.03935.040

Date 8/29/01

ARCO2114.GPJ
LOG OF BOREHOLE

Log of Well





Approved by

Figure

(sheet 1 of 2)

SECOR

International Incorporated

Logged By: CM	Date Drilled: 8/30/01	Drilling Contractor: WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose		Method/Equipment: California Modified Split Spoon OVM 580 B		Well Number: MW-6	
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 10	Surface Elev.(ft.): 175.64	Groundwater Elevation (ft.): ▽ 150.74 First Water ▽152.10 Stabilized Water		Total Depth (ft.): 32.0	Drive wt.(lbs.): 140	Drop Dist.(ft.): 30
Well Construction	Depth (ft.)	Sample Type	Blows/12"	Description			PID (ppm)	SAMPLE ID
 4" Schedule 40 PVC 0.020 Slotted Screen End Cap	30	 40	 40	Brown (10YR 4/3) CLAYEY SILT (ML), fine-grained sand, very stiff, moist, low plasticity (0, 20, 55, 25)			2	MW-6 25'
				Grades to SANDY SILT with clay (0, 40, 50, 10)			0	
	Drilled to 32'.							
								
<p>The substrata descriptions above are generalized representations and based upon visual/manual classification of cuttings and/or samples obtained during drilling. Predominant material types shown on the log may contain different materials and the change from one predominant material type to another could be different than indicated. Descriptions on this log apply only at the specific location at the time of drilling and may not be representative of subsurface conditions at other locations or times.</p>								

Project No. 006.03935.040

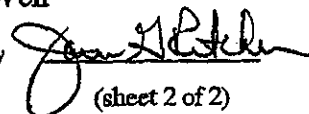
Date 8/29/01

ARCO2114.GPJ
LOG OF BOREHOLE

Log of Well

Approved by

Figure


(sheet 2 of 2)



WELL DESTRUCTION COMPLETION NOTICE

FCE 218 (08-14-98)

Inspector: Jacobson		Date of Inspection: 10/11/05		Permit: 051D00582	
Owner/Consultant No: MW-7		Well Registration No: 08501E041/009			
Well Owner: Alameda Rightfield		Address of Well Site: 4995 Alameda Ave		City or County: San Jose	
Drilling Company: Georgy		Consultant: URS			
Well Depth: 335'	Borehole Diameter: 10"	Casing Diameter: 4"	Casing Material: PVC	Well Type: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Rotary <input type="checkbox"/> Other (see comments)	
Casing Perforated: 18' to 33'			Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10 Sack Sand Slurry		
			<input type="checkbox"/> Bentonite <input type="checkbox"/> Other (See Comments)		
Destruction Method: <input checked="" type="checkbox"/> Pressure Grout <input type="checkbox"/> Drill Out <input type="checkbox"/> Excavate					
<input type="checkbox"/> Bail, Perf. & Backfill <input type="checkbox"/> Bail & Backfill <input type="checkbox"/> Other (See Comments)					
Well destroyed according to provisions of Santa Clara Valley Water District Permit?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)	
GPS Coordinates: Lat: _____ Long: _____					
Comments:					

Distribution: ORIGINAL Permit File YELLOW City/County PINK Well File GOLDENROD Permittee

SECOR

International Incorporated

Logged By CM	Date Drilled 8/30/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose		Method/Equipment: California Modified Split Spoon OVM 580 B	Well Number MW-7	
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 10	Surface Elev.(ft.): 175.26	Groundwater Elevation (ft.): ▽ 148.26 First Water ▽151.49 Stabilized Water	Total Depth (ft.): 34.0	Drive wt.(lbs.): 140	Drop Dist.(in.): 30

Well Construction	Depth (ft.)	Sample Type	Blows/12"	Description	PTD (ppm)	SAMPLE ID
Casing Elev.. 175.26						
Locking Well Vault				Asphalt Baserock/Fill		
				Very Dark Grayish Brown (10YR 3/2) SANDY SILT (ML), trace clay, fine-grained sand, hard, moist, low plasticity (0, 30, 60, 10)		
Cement Grout	5					
4" Schedule 40 PVC Blank Casing	10		18	Brown (10YR 4/3) SILTY SAND (SM), trace clay, fine-grained sand, medium dense, moist (0, 80, 15, 5)	0	MW-7 10'
Bentonite	15		16	Grades with rounded gravel		
				Brown (7.5 YR 4/3) CLAYEY SAND (SC), with silt, fine-grained sand, medium dense, moist (0, 65, 15, 20)	0	MW-7 15'
	20			Dark Brown (7.5 YR 3/3) SANDY CLAY (CL), with silt, fine-grained sand, hard, moist, moderate plasticity (0, 30, 10, 60)		
#3 Monterey Sand				Brown (10YR 4/3), SILTY SAND (SM), with clay, fine-grained sand, dense, moist, rootholes (0, 50, 30, 20)		

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Project No. 006.03935.040

Date 8/29/01

ARCO2114.GPJ
LOG OF BOREHOLE

Log of Well

Approved by

Figure

(sheet 1 of 2)

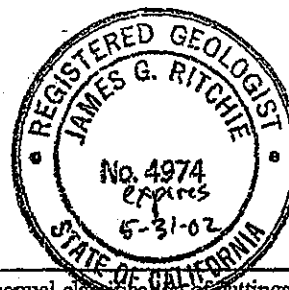
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International Incorporated

Logged By: CM	Date Drilled: 8/30/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose	Method/Equipment: California Modified Split Spoon OVM 580 B	Well Number: MW-7
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 10	Surface Elev.(ft.): 175.26	Groundwater Elevation (ft.): 148.26 First Water 151.49 Stabilized Water	Total Depth (ft.): 34.0
				Drive wt.(lbs.): 140	Drop Dist.(in.): 30

Well Construction	Depth, (ft.)	Sample Type	Blows/12"	Description	PID (ppm)	SAMPLE ID
	30		58	Grades to decreasing clay (0, 75, 20, 5)	0	MW-7 25
				Brown (10YR 5/3) SILTY CLAY (CL), with fine-grained sand, hard, moist, moderate plasticity, large rootholes, (0, 15, 25, 60)		
				Dark Grayish Brown (10YR 4/2) SAND (SP), with silt, fine-grained sand, medium dense, wet (0, 90, 10, 0)		
				Drilled to 34' Sampled to 33'		

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Project No. 006.03935.040

Date 8/29/01

Log of Well

ARCO2114.GPJ
LOG OF BOREHOLE

Approved by Figure (sheet 2 of 2)

IF ADDITIONAL SPACE IS NEEDED, USE NEXT CONSECUTIVELY NUMBERED FORM

Inspector: <u>Jacobson</u>		Date of Inspection: <u>10/16/05</u>		Permit: <u>05D00583</u>	
Owner/Consultant No: <u>MCW-8</u>			Well Registration No: <u>08501E04W010</u>		
Well Owner: <u>Atlantic Richfield</u>		Address of Well Site: <u>1985 Almaden expy</u>		City or County: <u>San Jose</u>	
Drilling Company: <u>Gregg</u>		Consultant: <u>URS</u>			
Well Depth: <u>33'</u>	Borehole Diameter: <u>10" 3/4</u>	Casing Diameter: <u>4"</u>	Casing Material: <u>PVC</u>	Well Type: <input checked="" type="checkbox"/> HSA <input type="checkbox"/> Rotary <input type="checkbox"/> Other (see comments)	
Casing Perforated: <u>18' to 33'</u>			Sealing Material: <input checked="" type="checkbox"/> Neat Cement <input type="checkbox"/> 10-Sack Sand Slurry <input type="checkbox"/> Bentonite <input type="checkbox"/> Other (See Comments)		
Destruction Method: <input checked="" type="checkbox"/> Pressure Grout <input type="checkbox"/> Drill Out <input type="checkbox"/> Excavate <input type="checkbox"/> Bail, Perf. & Backfill <input type="checkbox"/> Bail & Backfill <input type="checkbox"/> Other (See Comments)					
Well destroyed according to provisions of Santa Clara Valley Water District Permit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)					
GPS Coordinates: Lat: _____ Long: _____					
Comments: _____ _____ _____					
Distribution: ORIGINAL-Permit File YELLOW-City/County PINK-Well File GOLDENROD-Permittee					

SECOR

International Incorporated

Logged By: CM	Date Drilled: 8/29/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose		Method/Equipment: California Modified Split Spoon OVM 580 B		Well Number: MW-8
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 10	Surface Elev.(ft.): 176.43	Groundwater Elevation (ft.): ▽ 151.43 First Water ▽151.78 Stabilized Water	Total Depth (ft.): 33.0	Drive wt.(lbs.): 140	Drop Dist.(in.): 30

Well Construction	Depth, (ft.)	Sample Type	Description
Casing Elev.: 176.43			
Locking Well Vault			Asphalt Bedrock/Fill
			Very Dark Grayish Brown (10YR 3/2) SANDY SILT (ML), with clay, fine-grained sand, hard, dry, low plasticity (0, 30, 60, 10)
Cement Grout	5		Brown (10 YR 4/3) SILTY SAND (SM), fine-grained sand, dry, very dense, rootholes (0, 75, 25, 0)
4" Schedule 40 PVC Blank Casing	10		Brown (10YR 4/3) SANDY SILT (ML), fine-grained sand, hard, dry (0, 25, 75, 0)
Bentonite	15		Brown (10 YR 4/3) SILTY SAND (SM), with gravel, fine-grained sand, dry, very dense, rootholes (0, 75, 25, 0)
	20		Dark Brown (7.5 YR 3/4) SANDY CLAY (CL), with silt, fine-grained sand, very stiff, moist, moderate plasticity (0, 30, 20, 50)
#3 Monterey Sand			Grades with gravel Brown (10 YR 4/3) CLAYEY GRAVEL (GC), with fine-grained sand, fine well-rounded gravel, very dense, moist (50, 15, 15, 20)

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Project No. 006.03935.040

Date 8/29/01

Log of Well

ARCO2114.GPJ
LOG OF BOREHOLE

Approved by



Figure

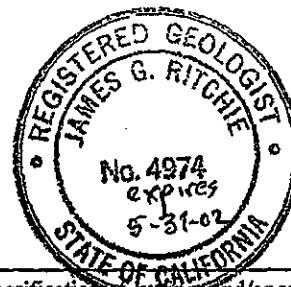
(sheet 1 of 2)

SECOR

International Incorporated

Logged By: CM	Date Drilled: 8/29/01	Drilling Contractor WOODWARD (B-57)	Project Name: ARCO #2114 4995 Almaden Expwy, San Jose	Method/Equipment: California Modified Split Spoon OVM 580 B	Well Number: MW-8
See "Legend to Logs" for sampling method, classifications and laboratory testing methods		Boring Diam.(in.): 10	Surface Elev.(ft.): 176.43	Groundwater Elevation (ft.): ✓ 151.43 First Water ✗ 151.78 Stabilized Water	Total Depth (ft.): 33.0
				Drive wt.(lbs.): 140	Drop Dist.(in.): 30

Well Construction	Depth (ft.)	Sample Type	Description
 <p>4" Schedule 40 PVC 0.020 Slotted Screen End Cap</p>	<p>30</p> <p>35</p> <p>40</p> <p>45</p>		<p>Brown (10 YR 4/3) SANDY GRAVEL (GM) with silt and trace clay, fine-grained sand, fine to medium gravel, very dense, wet (55, 25, 15, 5)</p> <p>Grades wet</p> <p>Drilled to 33'</p> <p>Lithologic description assumed to be the same as boring SB-1 because of the close proximity.</p>



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Log of Well

ARCO2114.GPJ
LOG OF BOREHOLE

Approved by

Figure

(sheet 2 of 2)